

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040022.D
 Acq On : 02 Sep 2020 13:23
 Operator : SY/MD
 Sample : MDL07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:50 PM

Quant Time: Sep 03 01:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113196	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53976	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26836	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.92	69	24791	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.58	63	48705	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.66	46	127880	51.73	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	5.08	84	65761	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.72	65	42877	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	122941	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.70	67	39832	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	105064	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	16382	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	96003	49.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37006	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	40981	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	1993	0.177	ug/L	97
3) Chloromethane	1.53	50	2149	0.200	ug/L	97
5) Vinyl chloride	1.61	62	2207	0.202	ug/L #	69
6) Bromomethane	1.87	94	1166	0.209	ug/L	92
8) Chloroethane	1.94	64	1603	0.245	ug/L	91
9) Trichlorofluoromethane	2.15	101	3350	0.214	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2542	0.251	ug/L #	76
12) 1,1-Dichloroethene	2.59	96	2242	0.256	ug/L #	1
13) Acetone	2.68	43	4435m	1.938	ug/L	
14) Carbon disulfide	2.81	76	5326	0.190	ug/L	100
15) Methyl Acetate	2.96	43	1150m	0.200	ug/L	
16) Methylene chloride	3.07	84	3775	0.329	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	4719	0.179	ug/L #	83
18) trans-1,2-Dichloroethene	3.38	96	1991	0.211	ug/L #	77
19) 1,1-Dichloroethane	3.88	63	3511m	0.181	ug/L	
21) 2-Butanone	4.74	43	8415	2.252	ug/L	80
22) cis-1,2-Dichloroethene	4.69	96	2029	0.200	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040022.D
 Acq On : 02 Sep 2020 13:23
 Operator : SY/MD
 Sample : MDL07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:50 PM

Quant Time: Sep 03 01:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	1002	0.226	ug/L #	69
25) Chloroform	5.11	83	6536	0.329	ug/L	94
27) 1,2-Dichloroethane	5.82	62	3125	0.215	ug/L #	93
29) 1,1,1-Trichloroethane	5.34	97	3361	0.187	ug/L #	73
30) Cyclohexane	5.41	56	2920	0.167	ug/L	97
31) Carbon tetrachloride	5.54	117	2964	0.192	ug/L	98
33) Benzene	5.79	78	7824	0.191	ug/L	100
34) Trichloroethene	6.55	95	2066	0.188	ug/L	95
35) Methylcyclohexane	6.77	83	2916	0.173	ug/L #	93
37) 1,2-Dichloropropane	6.80	63	2047	0.184	ug/L #	88
38) Bromodichloromethane	7.11	83	2754	0.181	ug/L	86
39) cis-1,3-Dichloropropene	7.61	75	3187	0.194	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	16743	1.835	ug/L	96
42) Toluene	7.98	91	7638	0.181	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	2843	0.187	ug/L #	14
45) 1,1,2-Trichloroethane	8.41	97	1393	0.172	ug/L #	76
47) Tetrachloroethene	8.56	164	1366	0.189	ug/L	93
48) 2-Hexanone	8.69	43	15183	2.282	ug/L	99
49) Dibromochloromethane	8.81	129	1808	0.186	ug/L	82
50) 1,2-Dibromoethane	8.92	107	1357	0.174	ug/L #	97
51) Chlorobenzene	9.45	112	5422	0.207	ug/L	92
52) Ethylbenzene	9.57	91	8795	0.183	ug/L	90
53) m,p-Xylene	9.70	106	3038	0.178	ug/L	83
54) o-Xylene	10.10	106	2688	0.165	ug/L	96
55) Styrene	10.11	104	4986	0.176	ug/L	89
56) Isopropylbenzene	10.48	105	7409	0.167	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	2258	0.217	ug/L #	75
59) 1,2,3-Trichloropropane	10.83	75	1758	0.213	ug/L	99
61) Bromoform	10.29	173	936	0.189	ug/L #	92
62) 1,3-Dichlorobenzene	11.74	146	3905	0.198	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4000	0.200	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	3866	0.203	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.99	75	395m	0.193	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	2620m	0.189	ug/L	
68) 1,2,4-trichlorobenzene	13.83	180	2049	0.171	ug/L	97
69) Naphthalene	14.07	128	3520	0.141	ug/L #	78
70) 1,2,3-Trichlorobenzene	14.32	180	1906	0.174	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

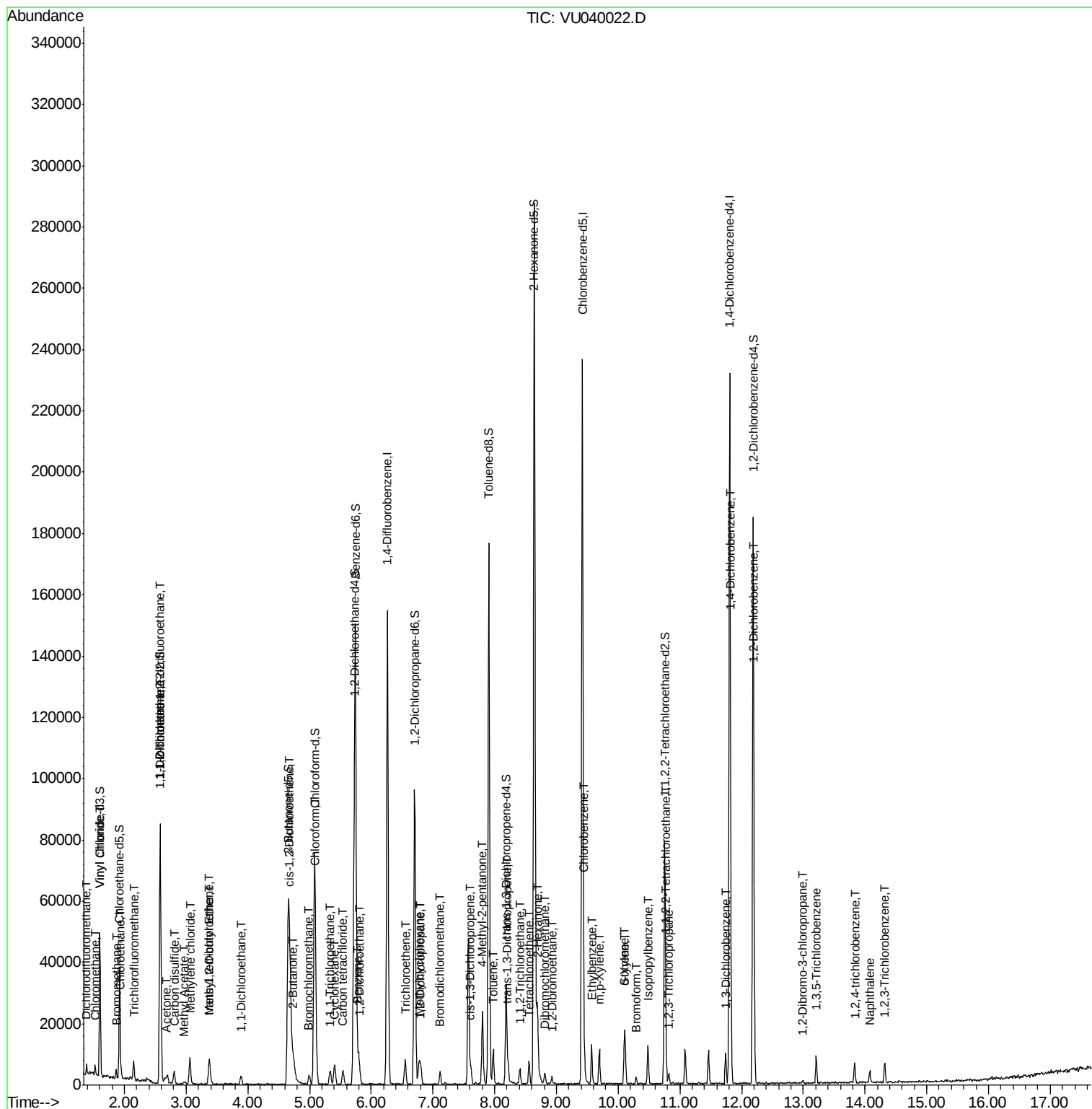
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090220\
Data File : VU040022.D
Acq On : 02 Sep 2020 13:23
Operator : SY/MD
Sample : MDL07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

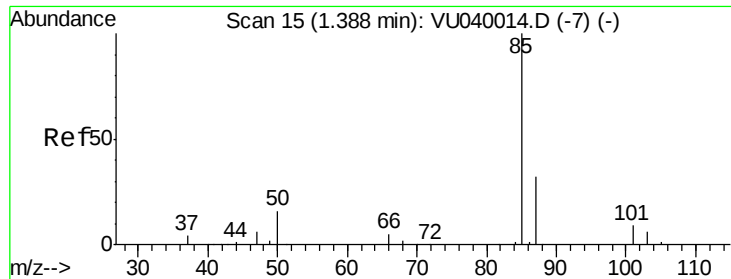
Instrument :
MSVOA_U
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM

Quant Time: Sep 03 01:56:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 03 01:16:12 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.177 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tot Ion: 85 Resp: 1993

Ion Ratio Lower Upper

85 100

87 30.8 25.9 38.9

Instrument :

MSVOA_U

ClientSampleId :

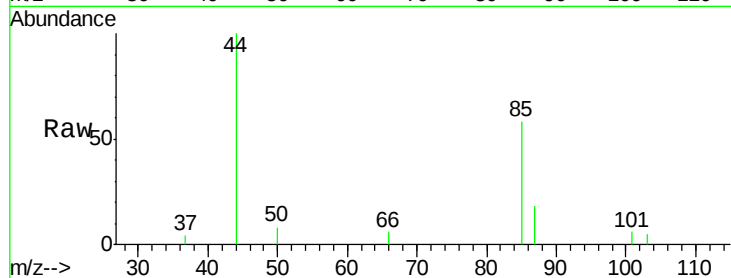
MDL07

Manual Integrations

APPROVED

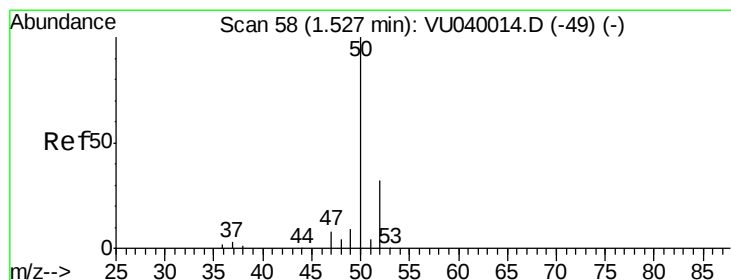
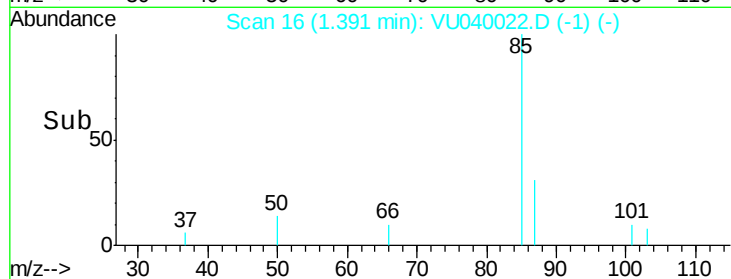
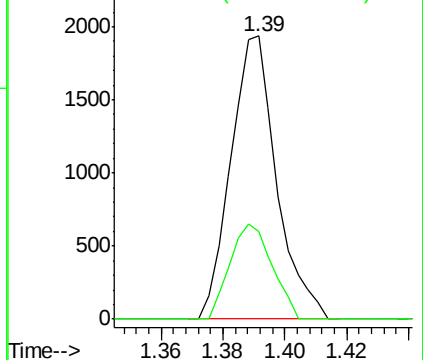
MMDadoda

9/4/2020 2:20:50 PM



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.200 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040022.D

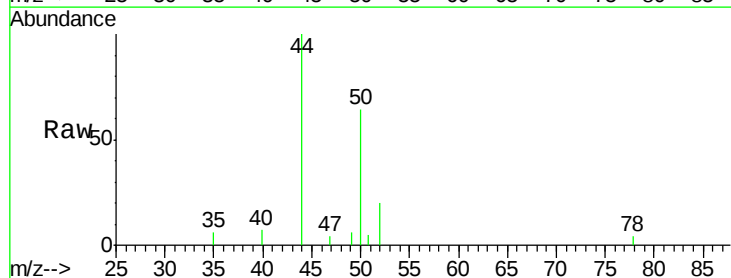
Acq: 02 Sep 2020 13:23

Tgt Ion: 50 Resp: 2149

Ion Ratio Lower Upper

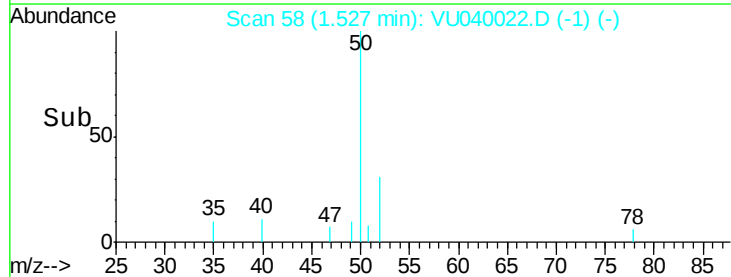
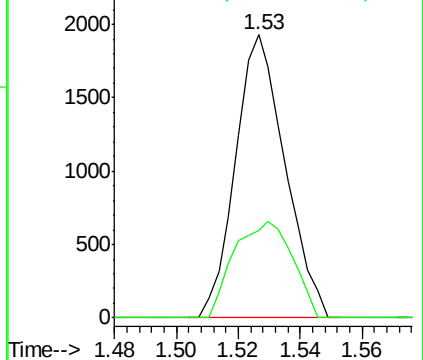
50 100

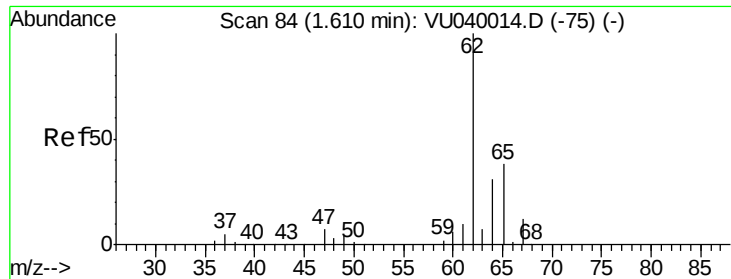
52 30.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.202 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 62 Resp: 2207

Ion Ratio Lower Upper

62 100

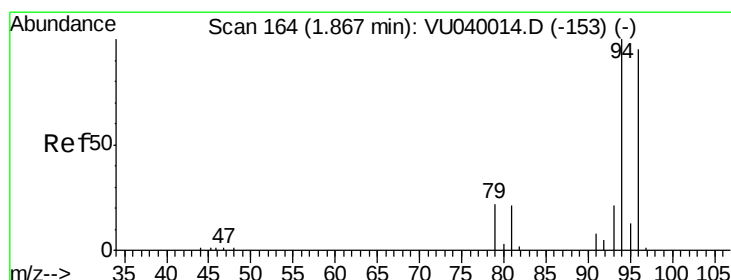
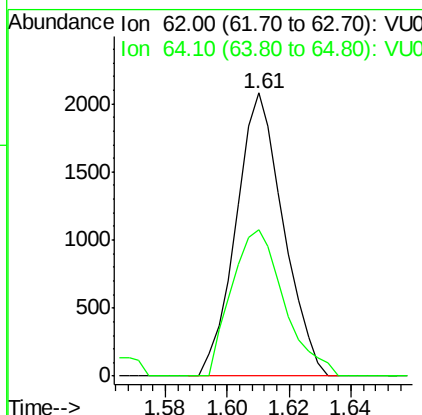
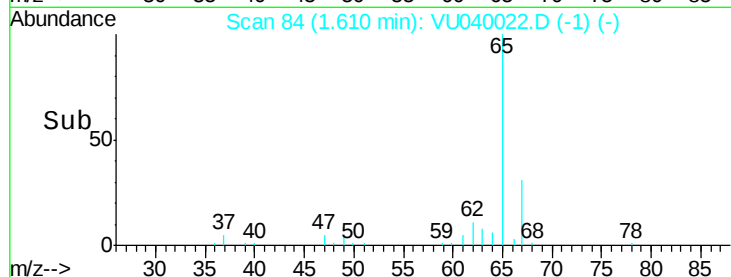
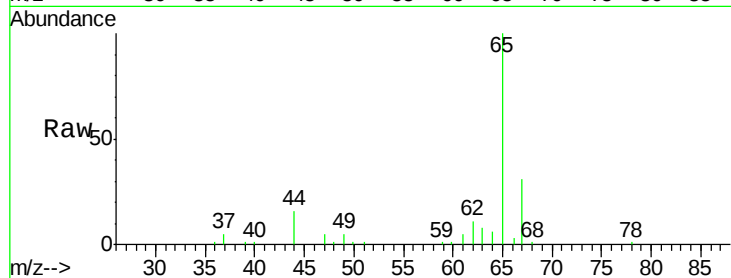
64 51.7 23.9 44.3#

Manual Integrations

APPROVED

MMDadoda

9/4/2020 2:20:50 PM



#6

Bromomethane

Concen: 0.209 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040022.D

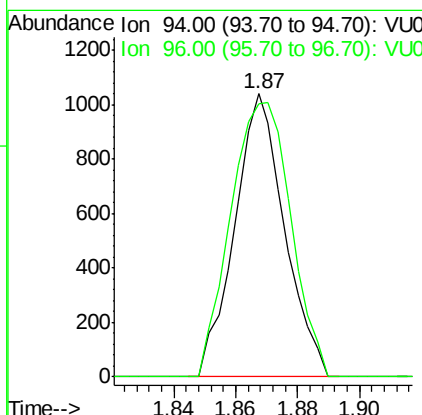
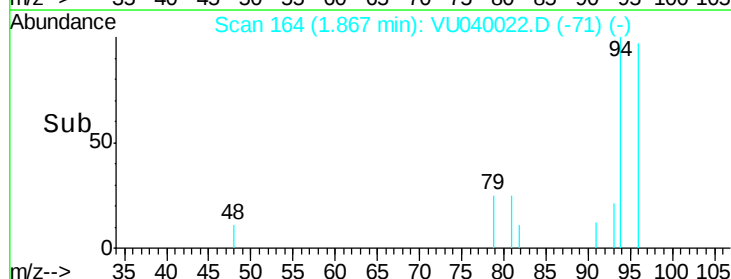
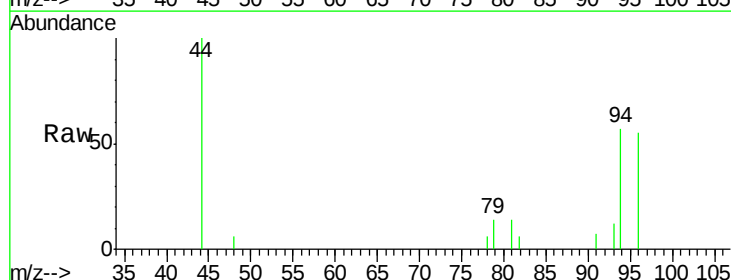
Acq: 02 Sep 2020 13:23

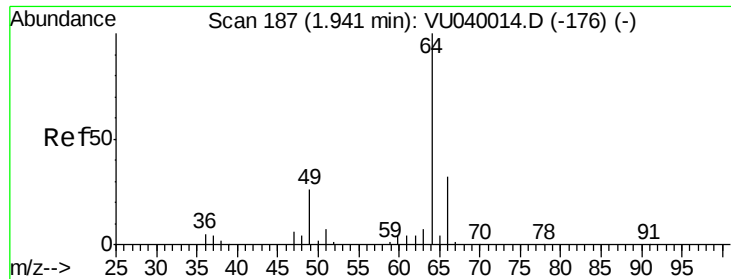
Tgt Ion: 94 Resp: 1166

Ion Ratio Lower Upper

94 100

96 96.6 62.3 115.7





#8

Chloroethane

Concen: 0.245 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 64 Resp: 1603

Ion Ratio Lower Upper

64 100

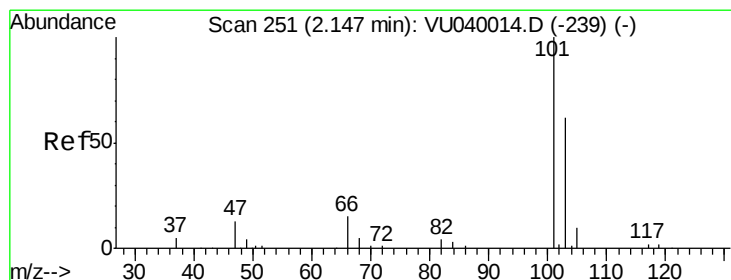
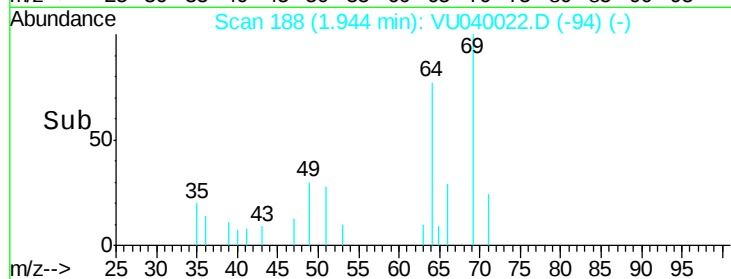
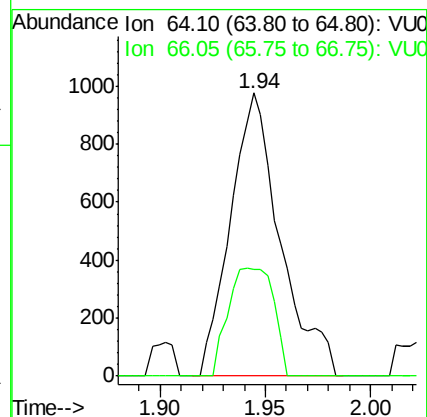
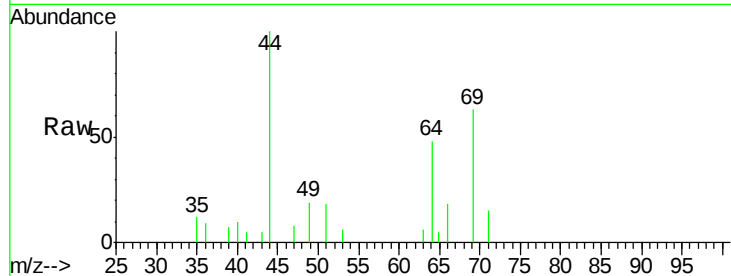
66 37.5 22.7 42.1

Manual Integrations

APPROVED

MMDadoda

9/4/2020 2:20:50 PM



#9

Trichlorofluoromethane

Concen: 0.214 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040022.D

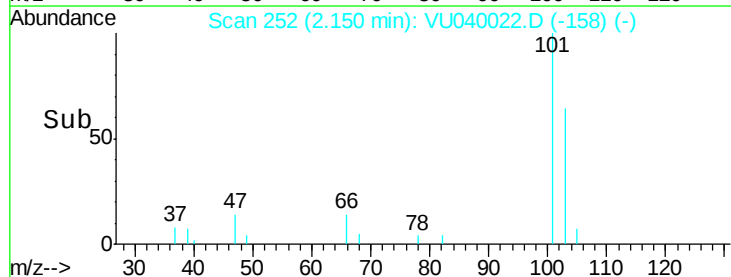
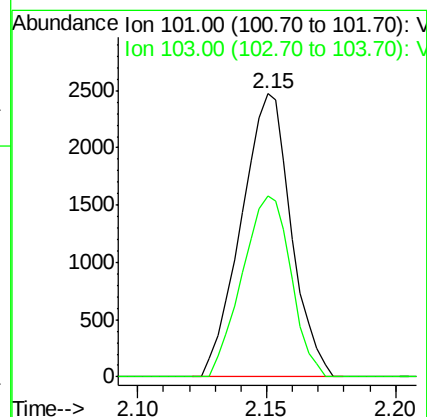
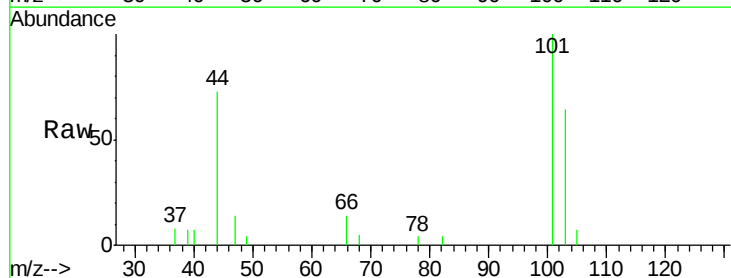
Acq: 02 Sep 2020 13:23

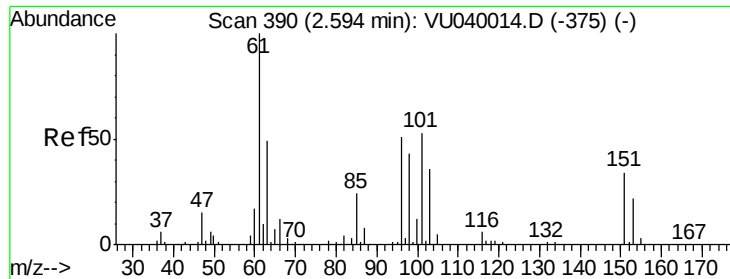
Tgt Ion: 101 Resp: 3350

Ion Ratio Lower Upper

101 100

103 62.2 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.251 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

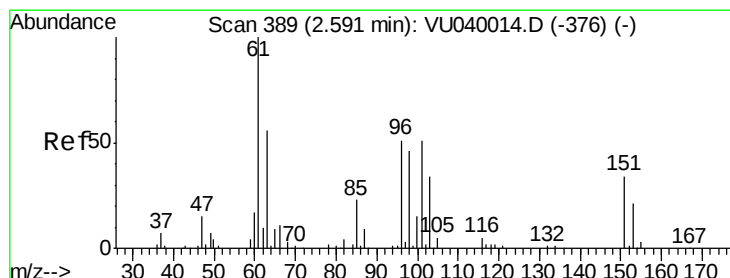
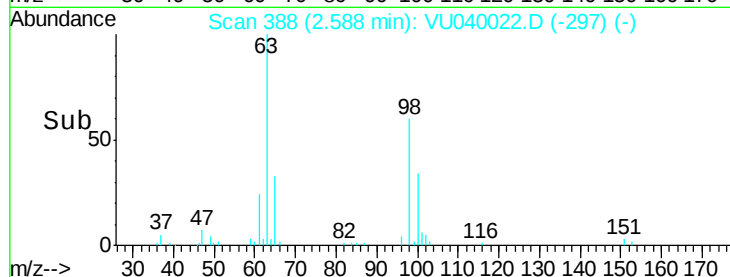
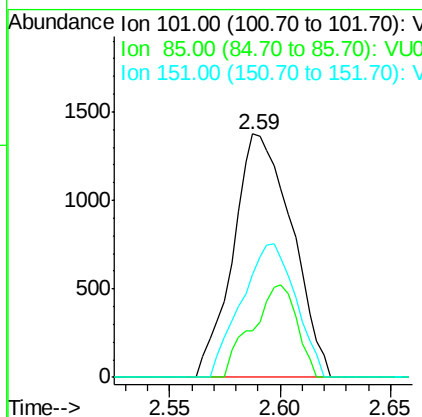
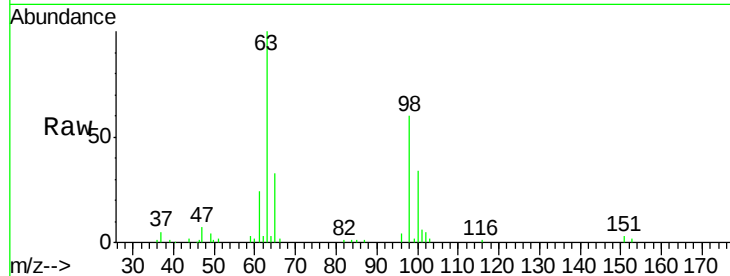
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	2542
Ion Ratio	Lower	Upper	
101	100		
85	28.8	37.7	56.5#
151	50.6	53.9	80.9#

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM



#12

1,1-Dichloroethene

Concen: 0.256 ug/L

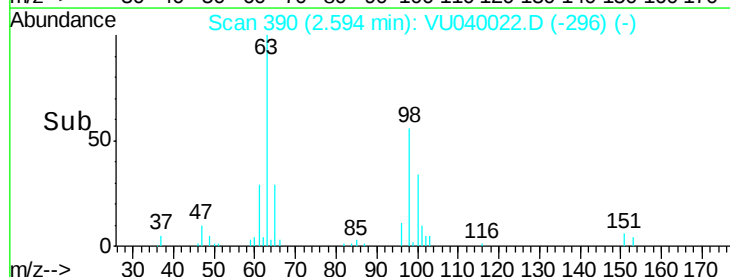
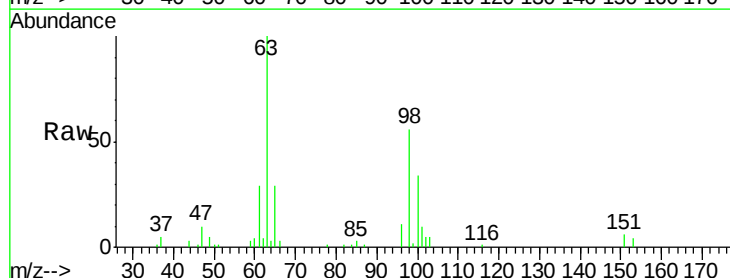
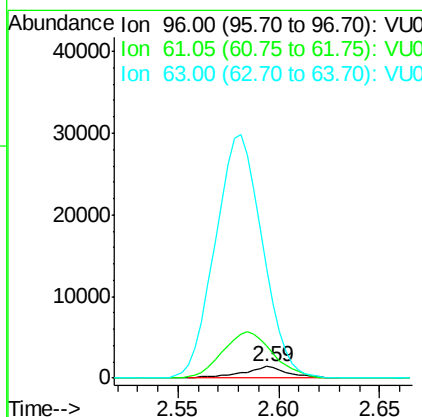
RT: 2.59 min Scan# 390

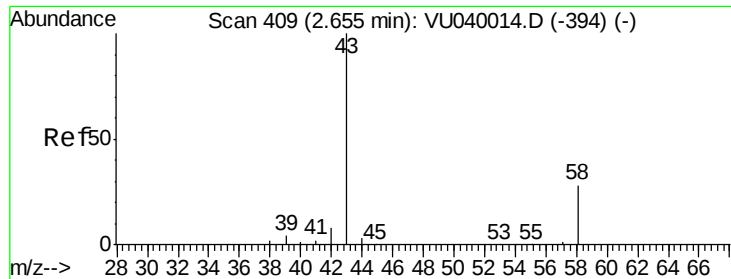
Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tgt Ion:	96	Resp:	2242
Ion Ratio	Lower	Upper	
96	100		
61	276.9	138.3	256.8#
63	951.5	77.6	144.2#





#13

Acetone

Concen: 1.938 ug/L m

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tot Ion: 43 Resp: 4435

Ion Ratio Lower Upper

43 100

58 19.4 0.0 55.4

Instrument :

MSVOA_U

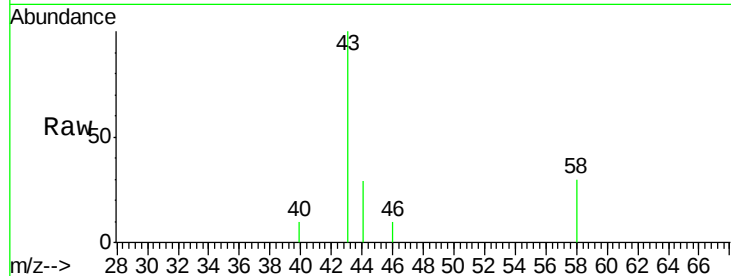
ClientSampled :

MDL07

Manual Integrations
APPROVED

MMDadoda

9/4/2020 2:20:50 PM



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1500

1000

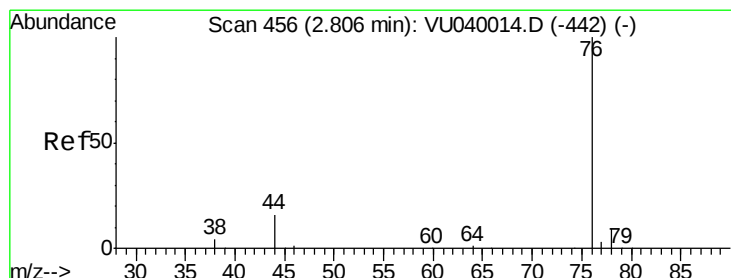
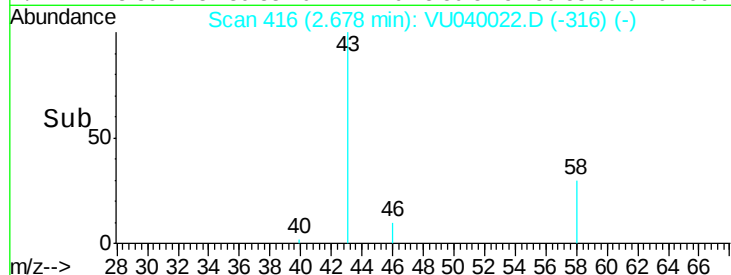
500

0

Time-->

2.60 2.65 2.70 2.75

2.68



#14

Carbon disulfide

Concen: 0.190 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040022.D

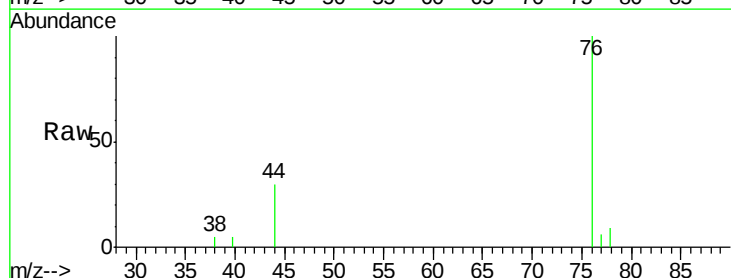
Acq: 02 Sep 2020 13:23

Tgt Ion: 76 Resp: 5326

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

3000

2000

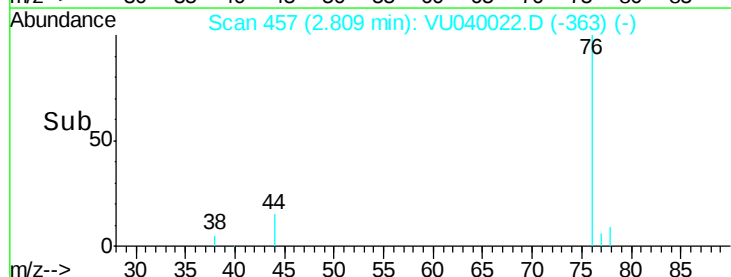
1000

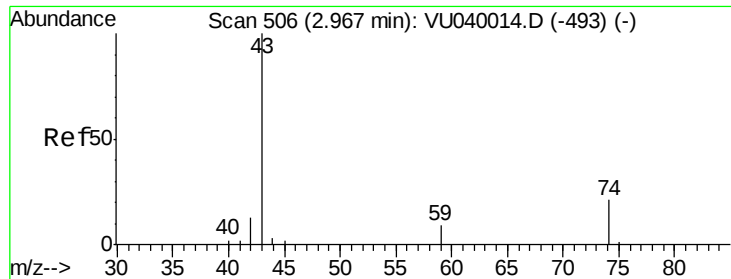
0

Time-->

2.75 2.80 2.85

2.81





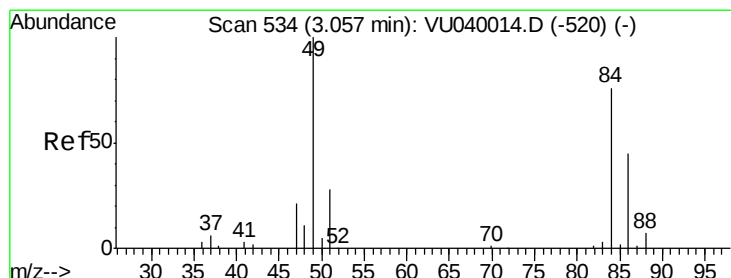
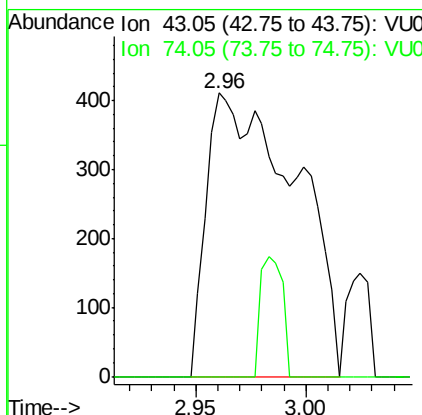
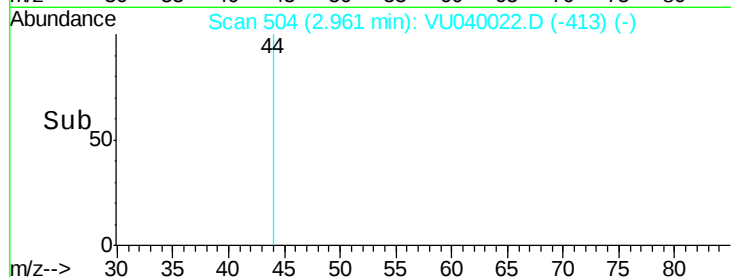
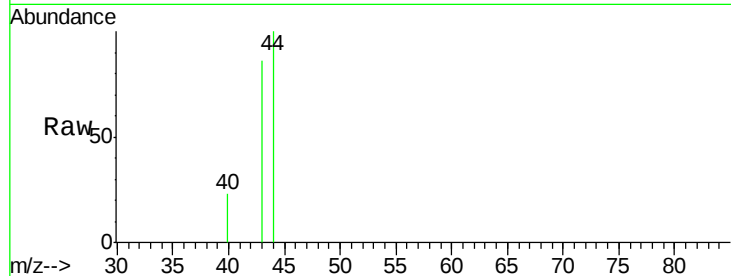
#15
Methyl Acetate
Concen: 0.200 ug/L m
RT: 2.96 min Scan# 504
Delta R.T. -0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
74 10.6 17.4 26.0#

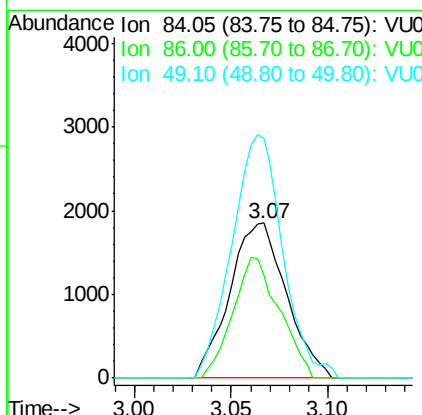
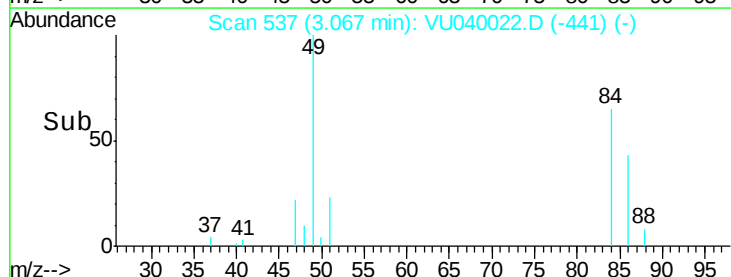
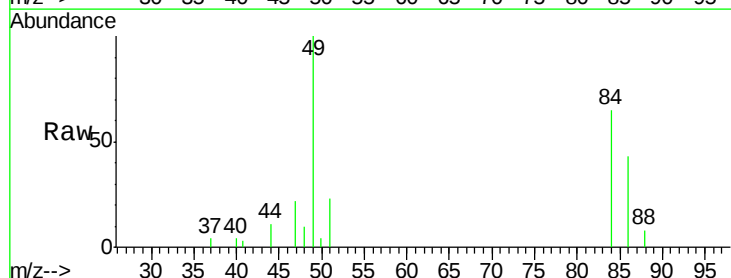
Manual Integrations
APPROVED

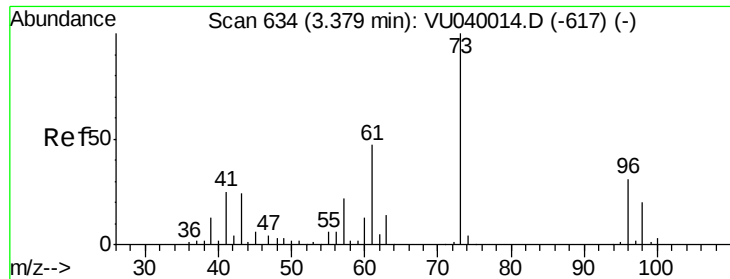
MMDadoda
9/4/2020 2:20:50 PM



#16
Methylene chloride
Concen: 0.329 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion: 84 Resp: 3775
Ion Ratio Lower Upper
84 100
86 66.4 45.2 84.0
49 154.7 104.0 193.2





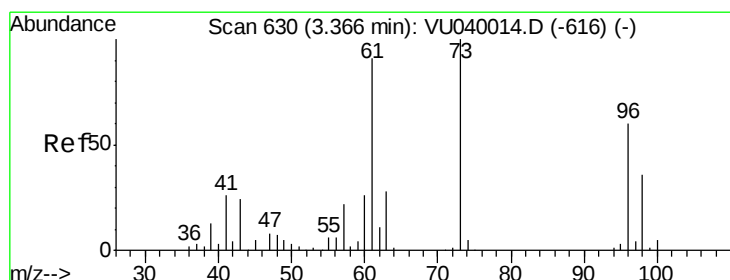
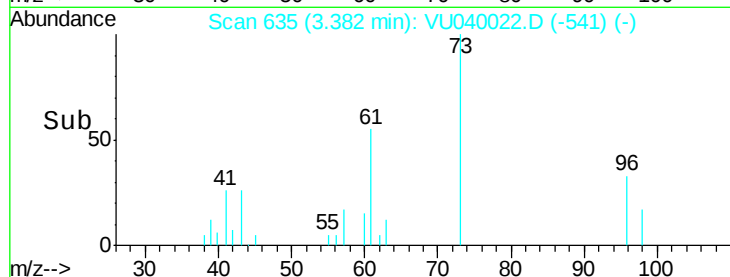
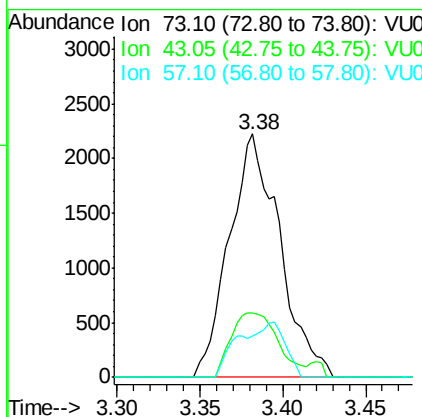
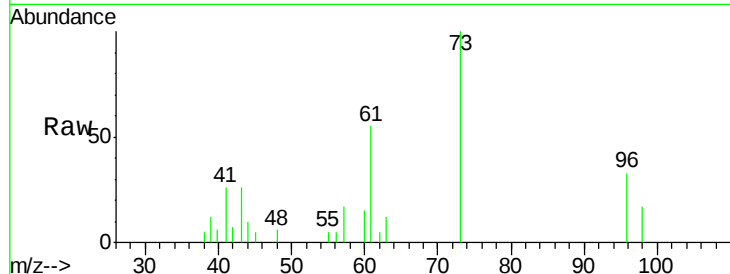
#17
Methvl tert-butvl Ether
Concen: 0.179 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.6	19.1	28.7
57	7.2	18.3	27.5#

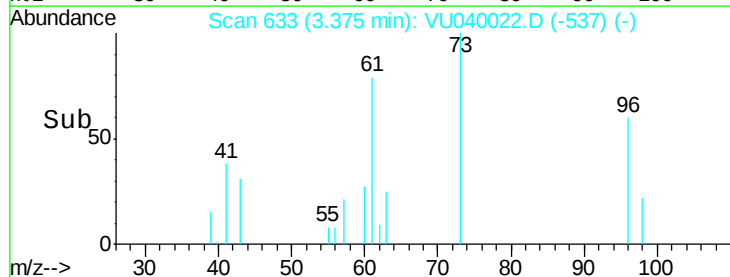
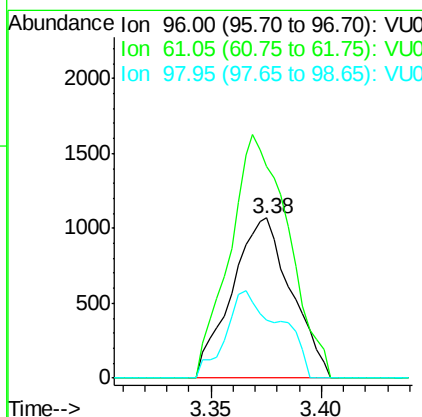
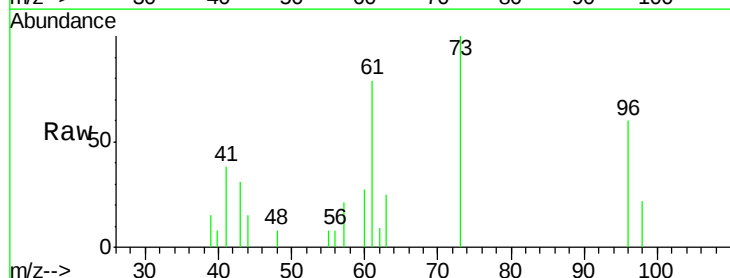
Manual Integrations
APPROVED

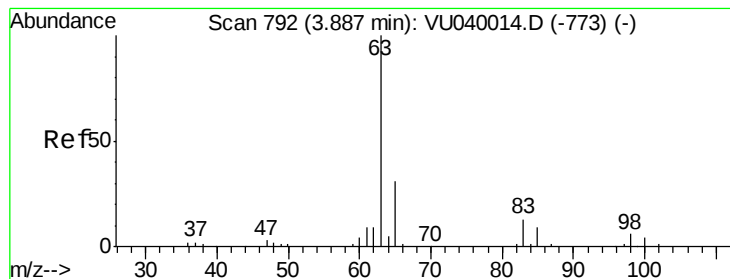
MMDadoda
9/4/2020 2:20:50 PM



#18
trans-1,2-Dichloroethene
Concen: 0.211 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	110.5	205.3
98	36.2	43.2	80.2#





#19

1,1-Dichloroethane

Concen: 0.181 ug/L m

RT: 3.88 min Scan# 791

Delta R.T. -0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

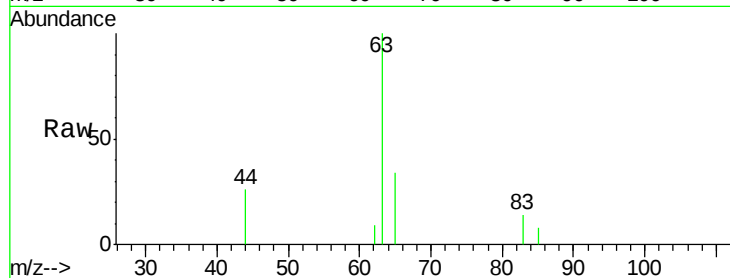
ClientSampleId :

MDL07

Tot Ion:	63	Resp:	3511
Ion	Ratio	Lower	Upper
63	100		
65	34.2	22.2	41.2
83	13.9	9.4	17.6

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM

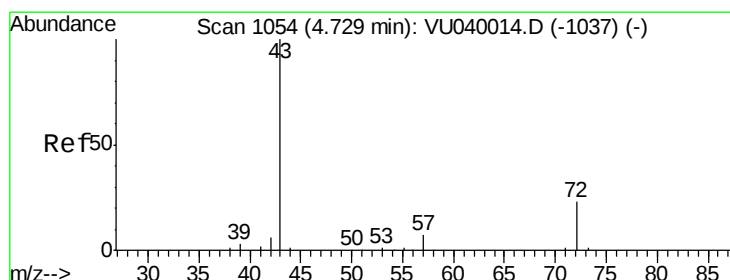
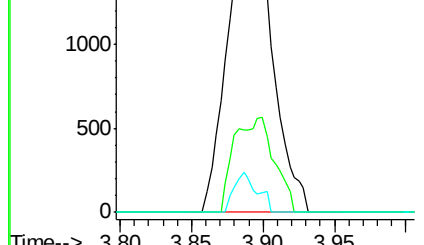
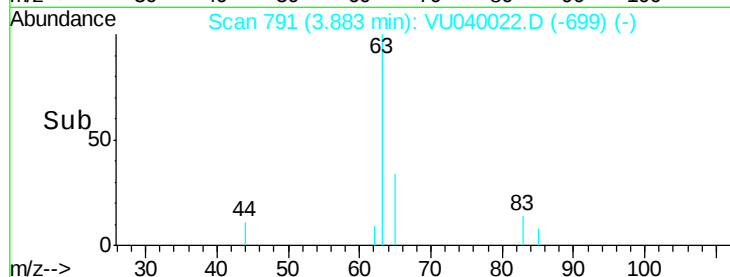


Abundance Ion 63.10 (62.80 to 63.80): VU040022.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040022.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040022.D (-699) (-)

Time-->



#21

2-Butanone

Concen: 2.252 ug/L

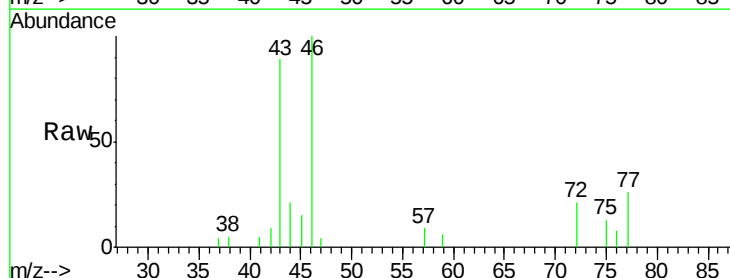
RT: 4.74 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

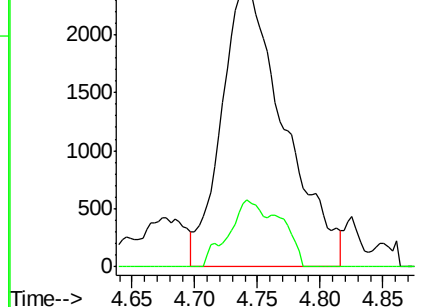
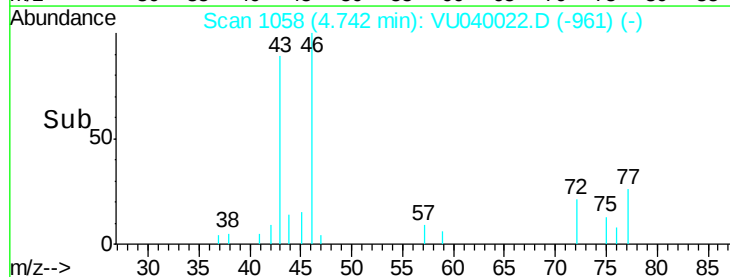
Tgt Ion:	43	Resp:	8415
Ion	Ratio	Lower	Upper
43	100		
72	13.3	11.7	35.0

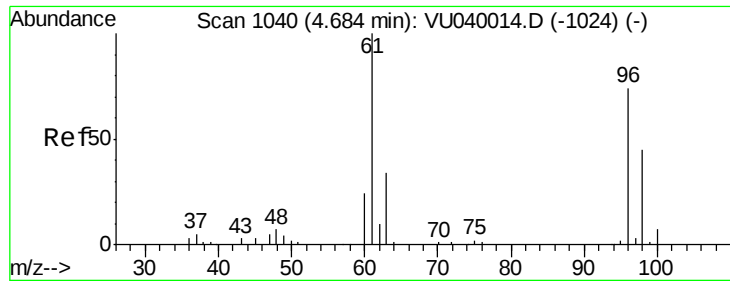


Abundance Ion 43.05 (42.75 to 43.75): VU040022.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU040022.D (-961) (-)

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.200 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

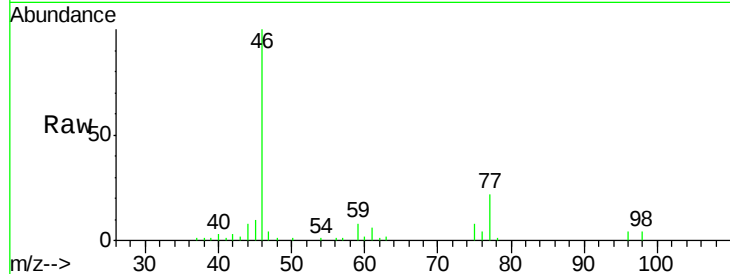
ClientSampleId :

MDL07

Tot Ion:	96	Resp:	2029
Ion	Ratio	Lower	Upper
96	100		
61	147.9	98.8	183.4
68	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM

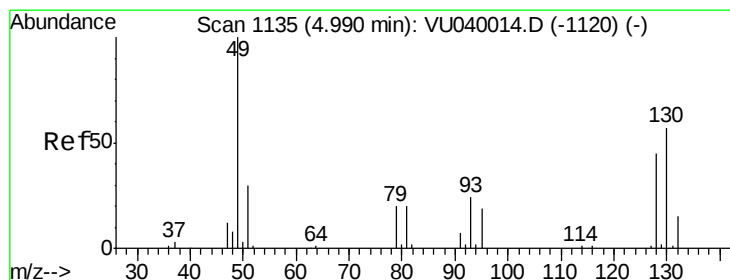
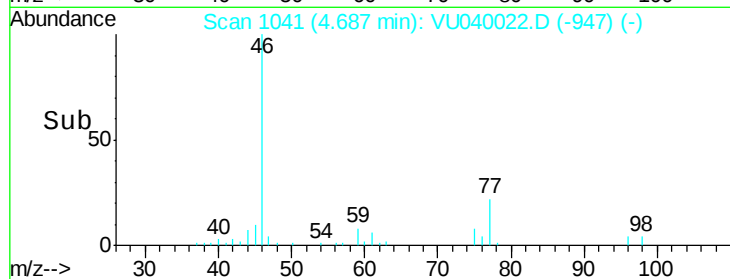
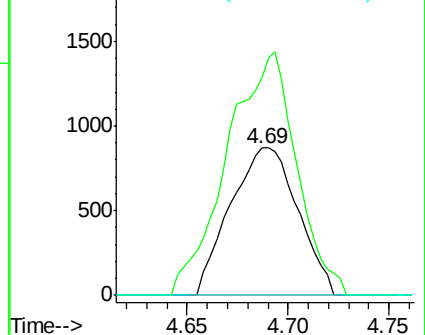


Abundance

Ion 96.00 (95.70 to 96.70): VU040014.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040014.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040014.D (-1024) (-)



#23

Bromochloromethane

Concen: 0.226 ug/L

RT: 5.00 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tgt Ion:	128	Resp:	1002
Ion	Ratio	Lower	Upper
128	100		
49	139.2	143.4	266.4#
130	98.6	89.5	166.3
51	62.0	51.0	76.4

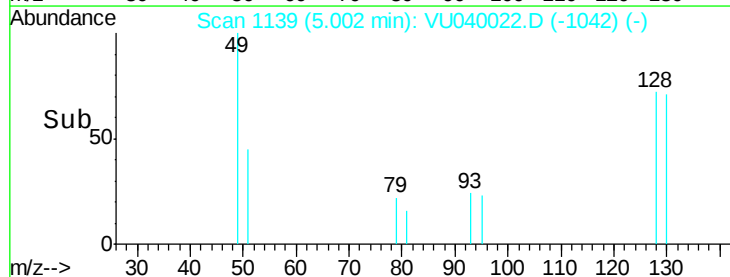
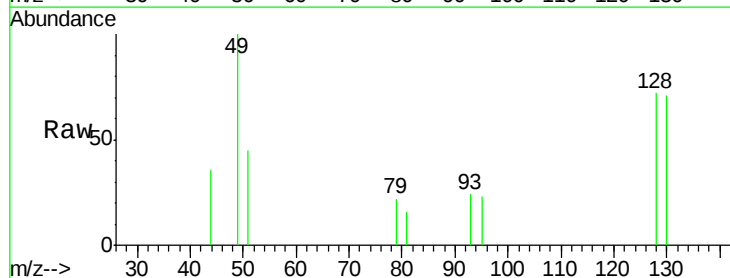
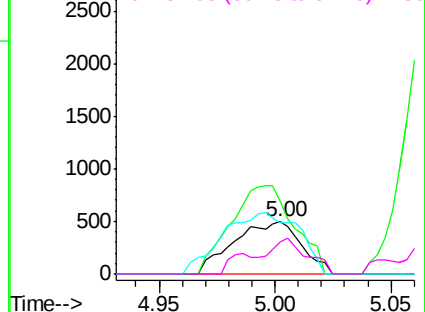
Abundance

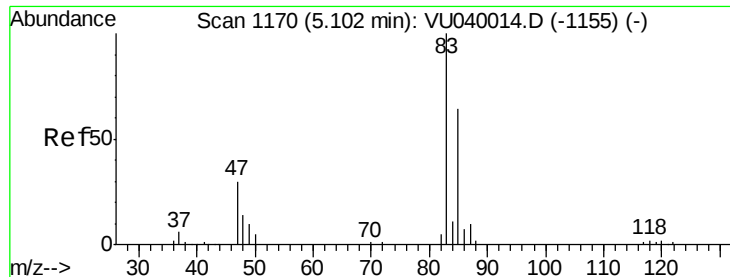
Ion 127.90 (127.60 to 128.60): VU040014.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040014.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040014.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040014.D (-1120) (-)





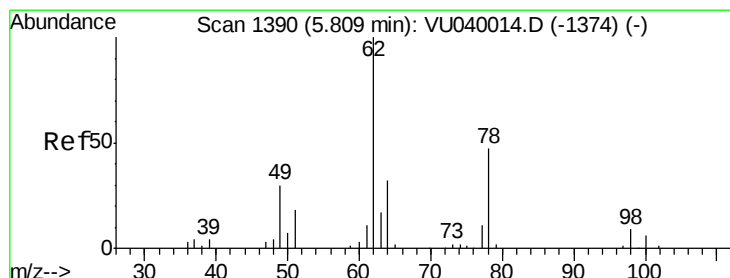
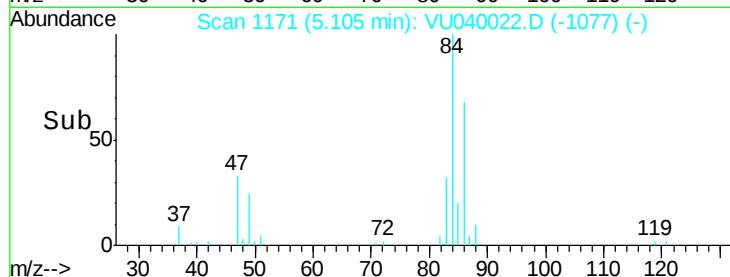
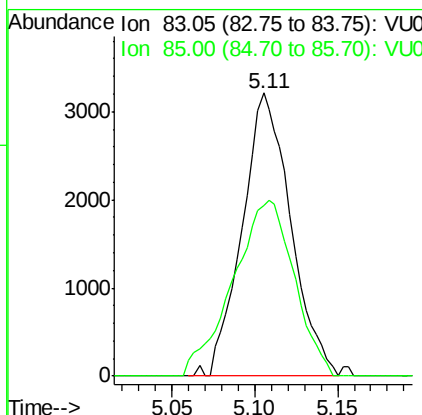
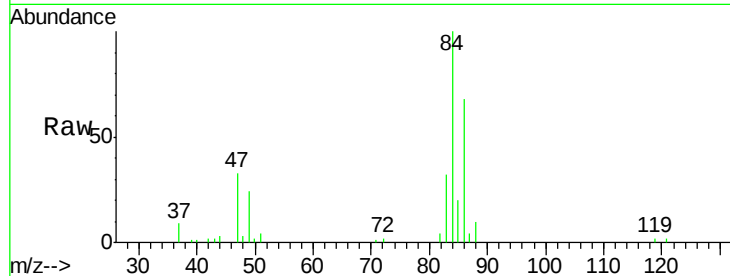
#25
Chloroform
Concen: 0.329 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	83	Resp	6536
Ion Ratio	100	Lower	Upper
85	60.3	45.3	84.1

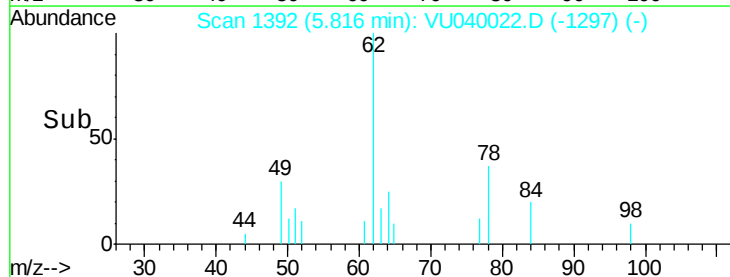
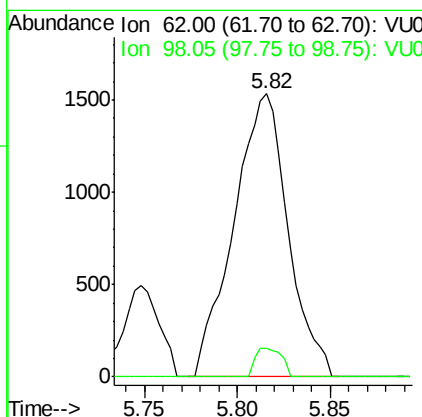
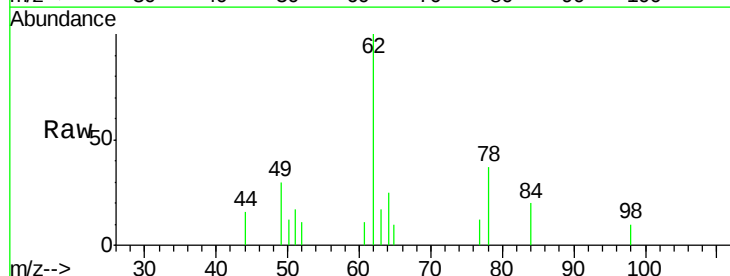
Manual Integrations
APPROVED

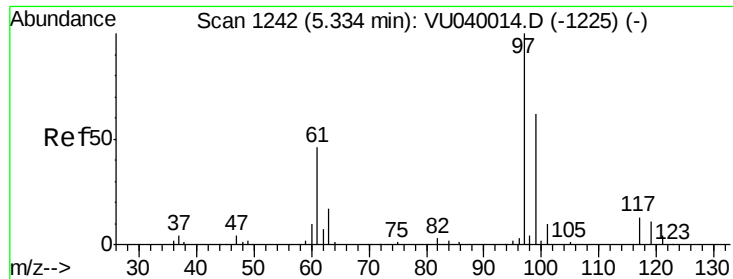
MMDadoda
9/4/2020 2:20:50 PM



#27
1,2-Dichloroethane
Concen: 0.215 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	62	Resp	3125
Ion Ratio	100	Lower	Upper
98	10.1	6.1	9.1#





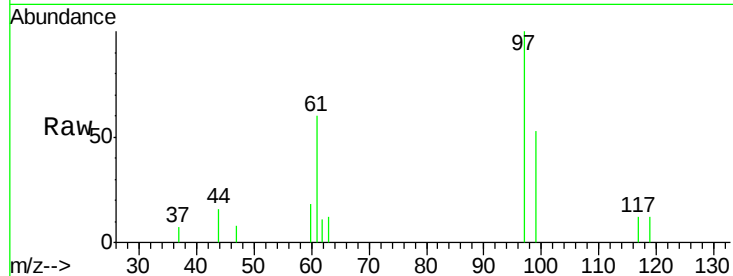
#29
1,1,1-Trichloroethane
Concen: 0.187 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampled :
MDL07

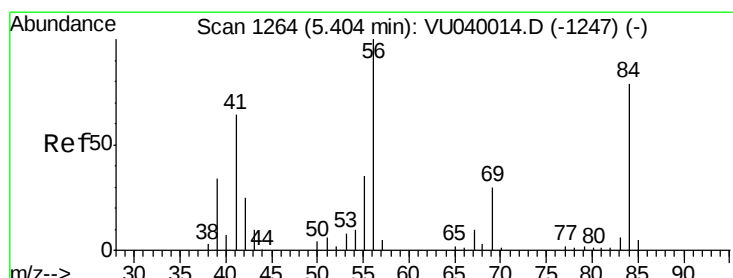
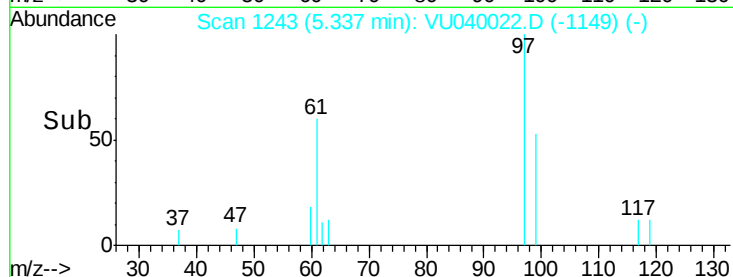
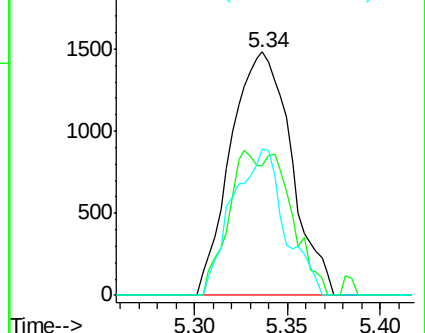
Tot Ion	Ratio	Lower	Upper
97	100		
99	28.7	50.9	76.3#
61	51.9	39.5	59.3

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM

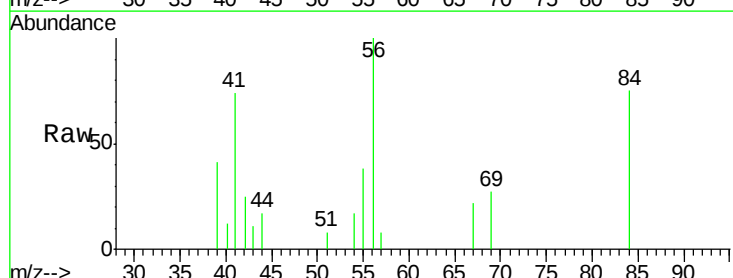


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

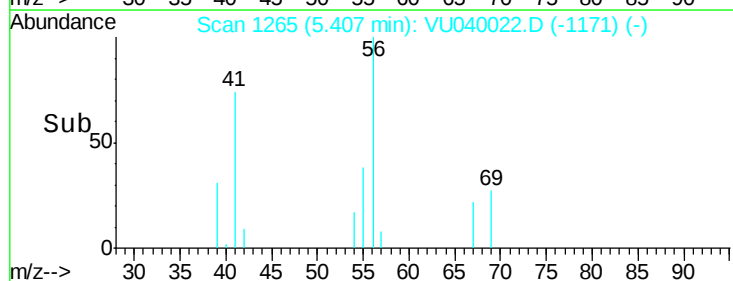
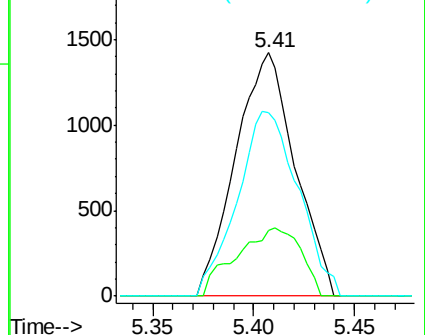


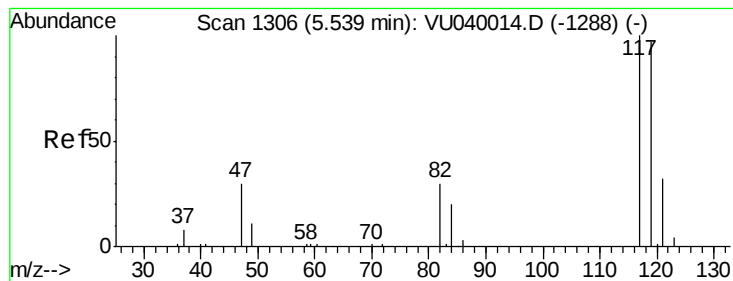
#30
Cyclohexane
Concen: 0.167 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.1	36.1
84	77.8	65.0	97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.192 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion:117 Resp: 2964

Ion Ratio Lower Upper

117 100

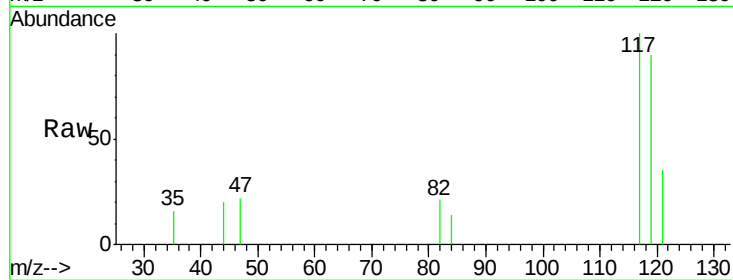
119 98.7 77.7 116.5

Manual Integrations

APPROVED

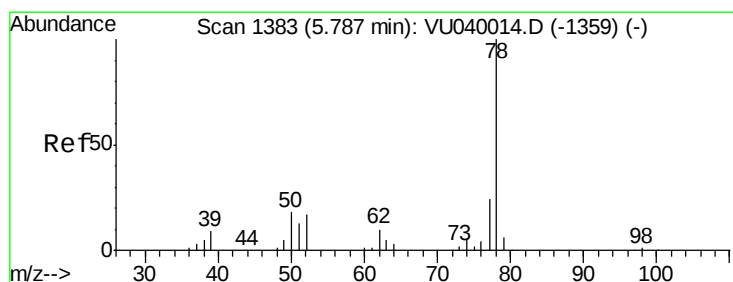
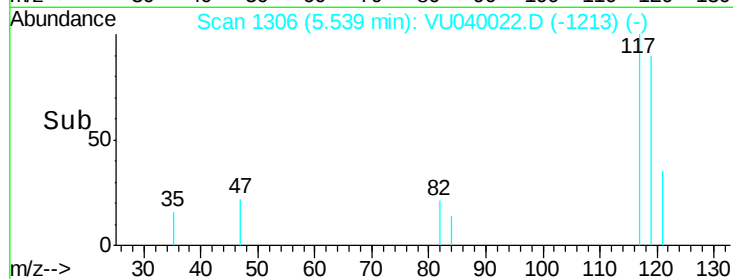
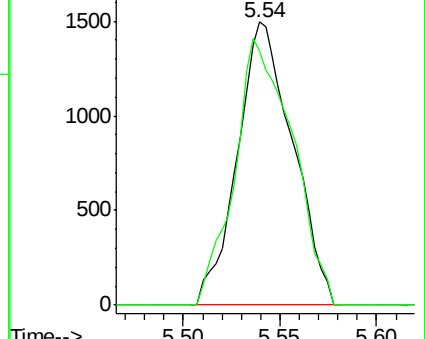
MMDadoda

9/4/2020 2:20:50 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.191 ug/L

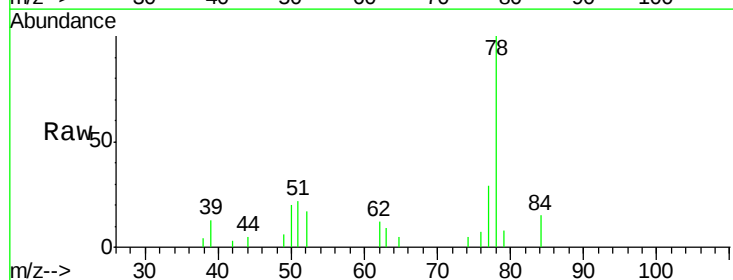
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

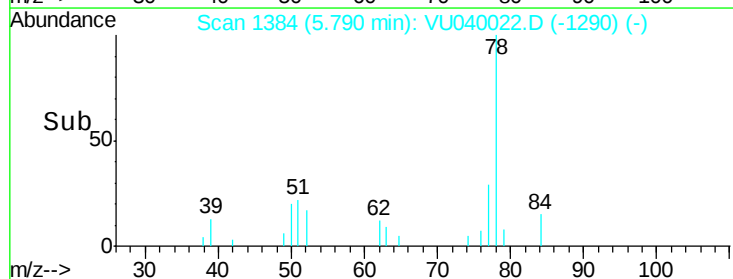
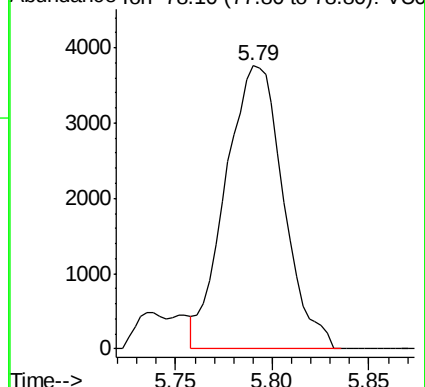
Lab File: VU040022.D

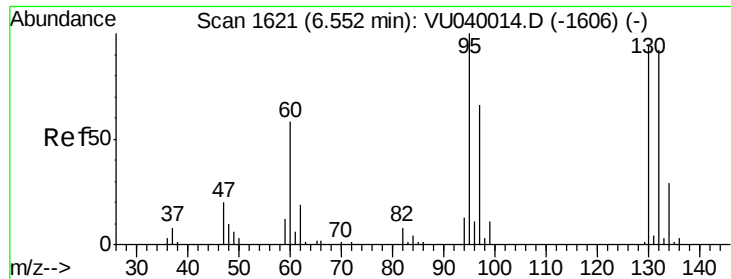
Acq: 02 Sep 2020 13:23

Tgt Ion: 78 Resp: 7824



Abundance Ion 78.10 (77.80 to 78.80): VU0





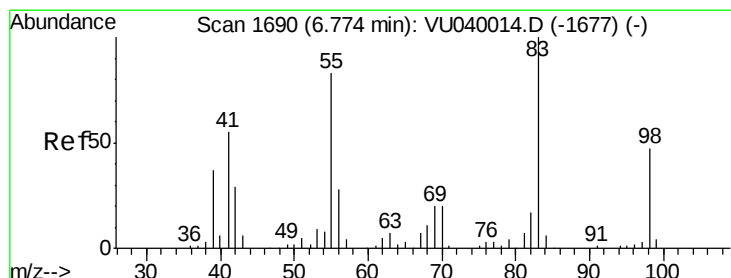
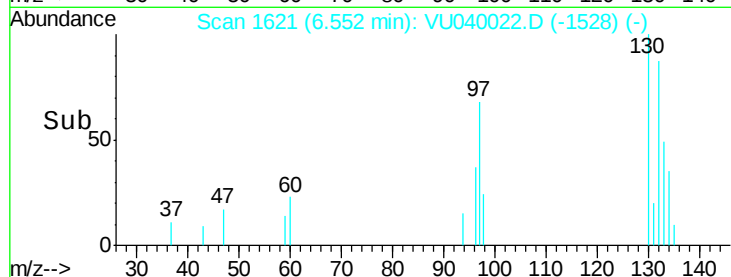
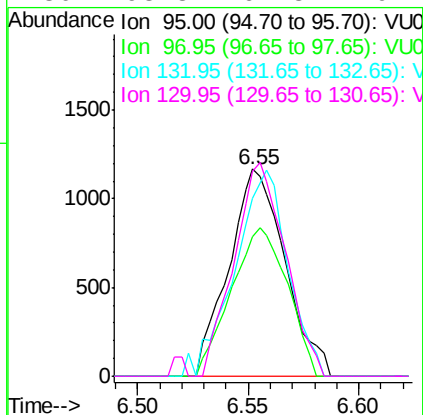
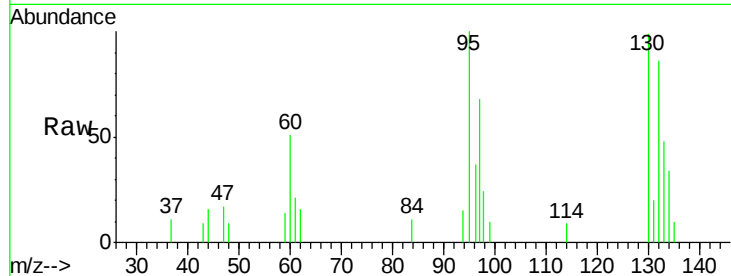
#34
 Trichloroethene
 Concen: 0.188 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	95	Resp	2066
Ion	Ratio	Lower	Upper
95	100		
97	67.5	43.3	80.5
132	86.0	59.4	110.4
130	98.8	64.8	120.4

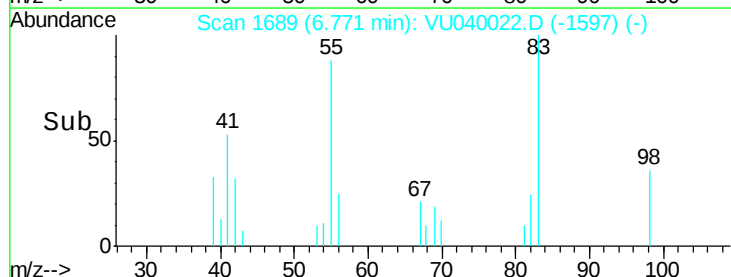
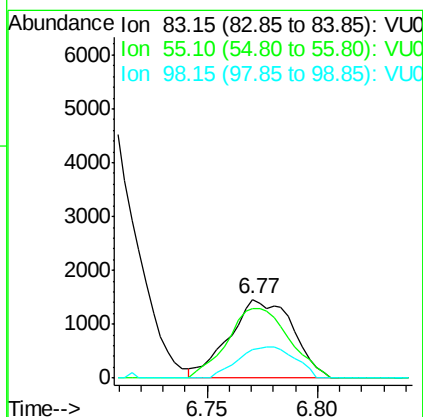
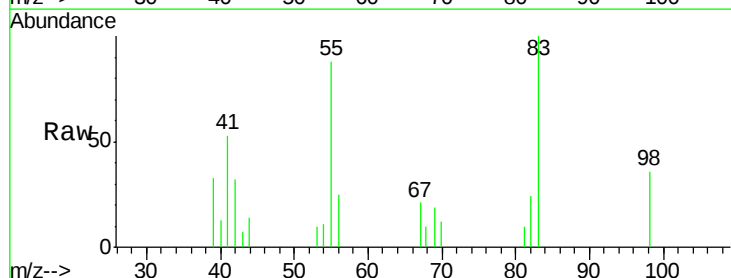
Manual Integrations
 APPROVED

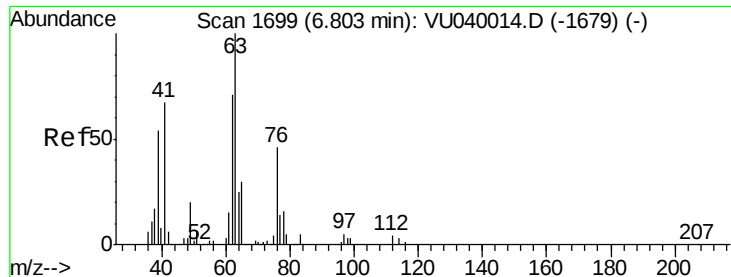
MMDadoda
 9/4/2020 2:20:50 PM



#35
 Methylcyclohexane
 Concen: 0.173 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion	83	Resp	2916
Ion	Ratio	Lower	Upper
83	100		
55	86.5	70.5	105.7
98	35.3	37.8	56.6#





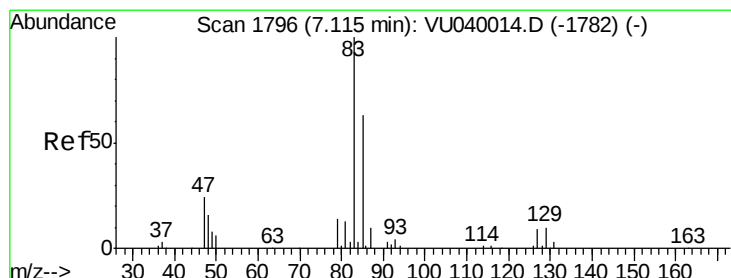
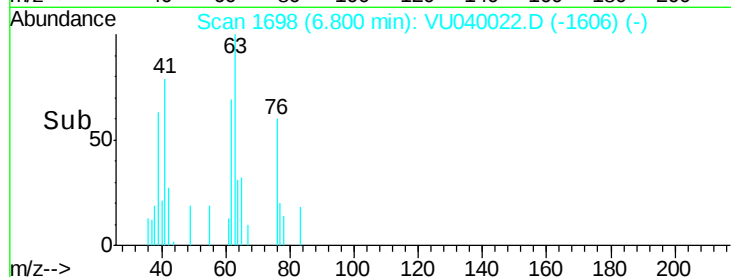
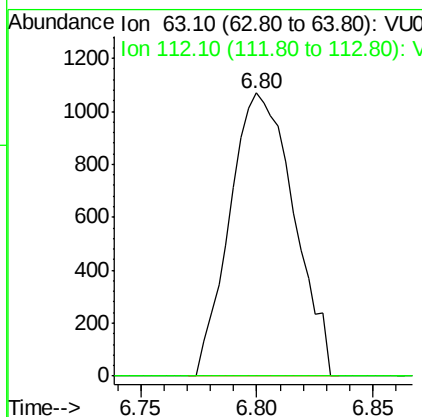
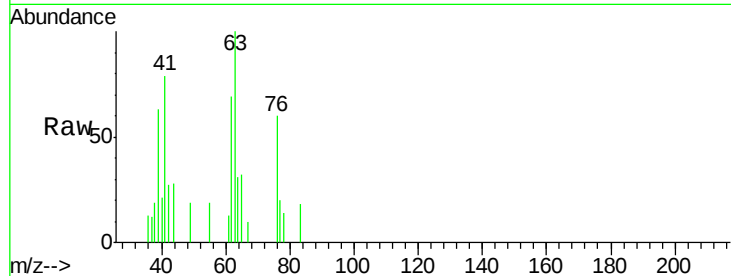
#37
 1,2-Dichloropropane
 Concen: 0.184 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 2047
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#

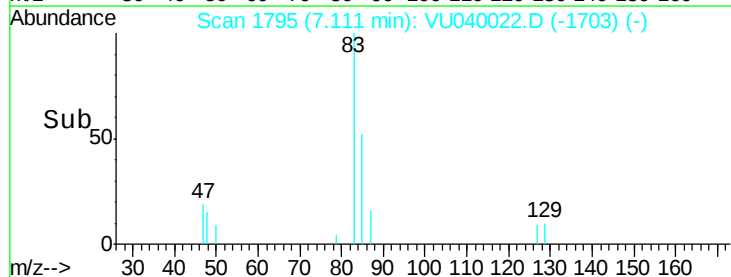
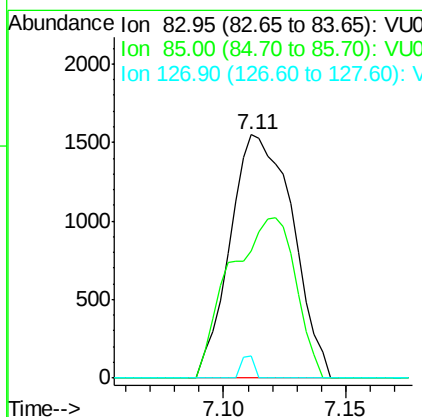
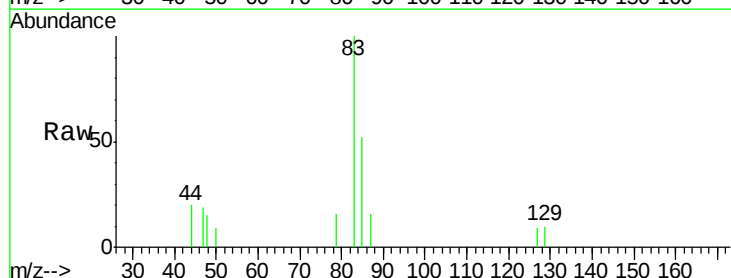
Manual Integrations
 APPROVED

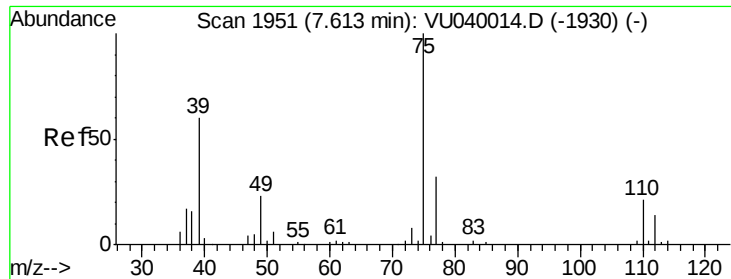
MMDadoda
 9/4/2020 2:20:50 PM



#38
 Bromodichloromethane
 Concen: 0.181 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion: 83 Resp: 2754
 Ion Ratio Lower Upper
 83 100
 85 52.3 45.1 83.9
 127 8.9 6.7 10.1





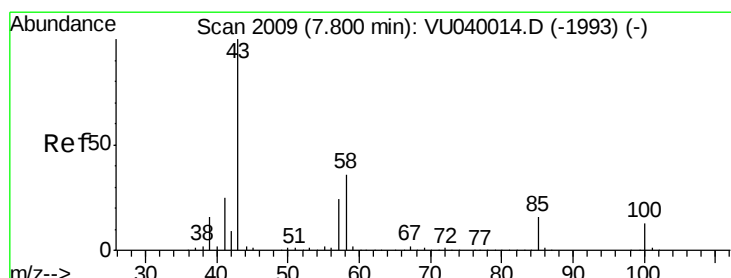
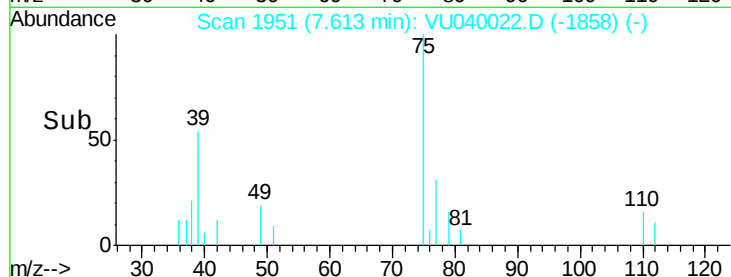
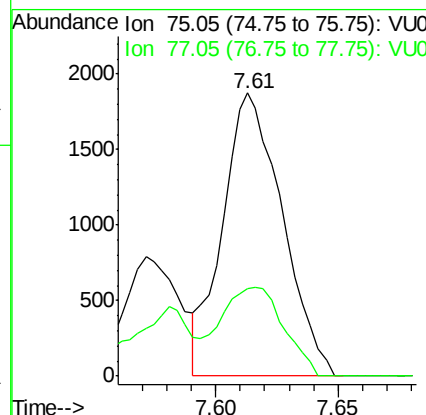
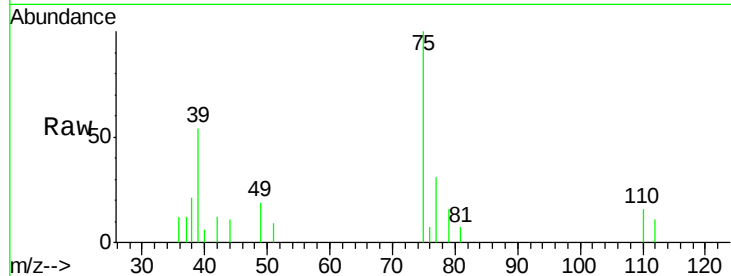
#39
 cis-1,3-Dichloropropene
 Concen: 0.194 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 3187
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.1 39.3

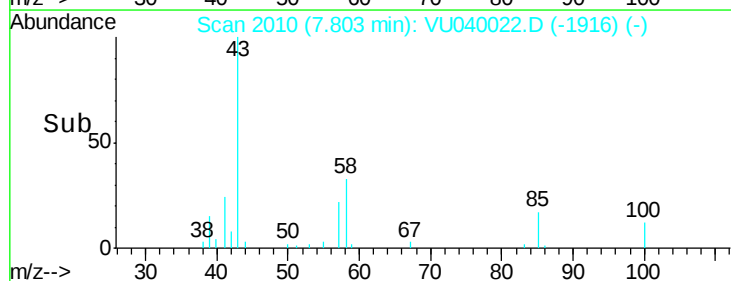
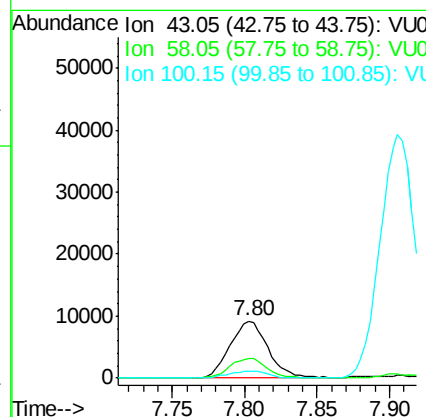
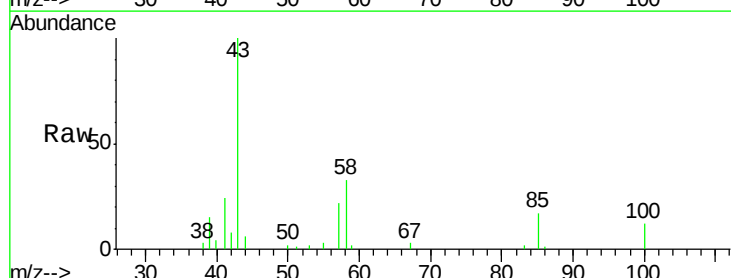
Manual Integrations
 APPROVED

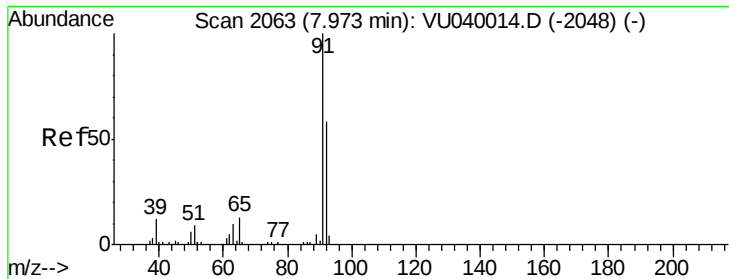
MMDadoda
 9/4/2020 2:20:50 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.835 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion: 43 Resp: 16743
 Ion Ratio Lower Upper
 43 100
 58 33.2 28.7 43.1
 100 12.3 10.2 15.2





#42

Toluene

Concen: 0.181 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 7638

Ion Ratio Lower Upper

91 100

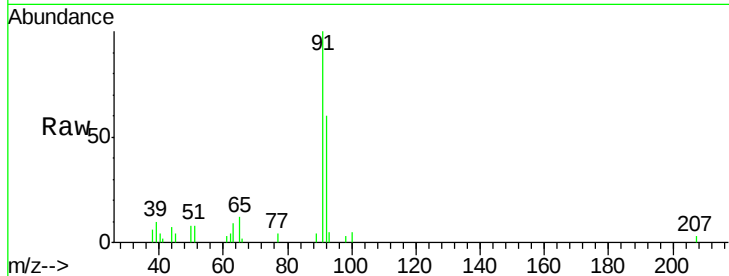
92 60.2 40.7 75.5

Manual Integrations

APPROVED

MMDadoda

9/4/2020 2:20:50 PM



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

5000

4000

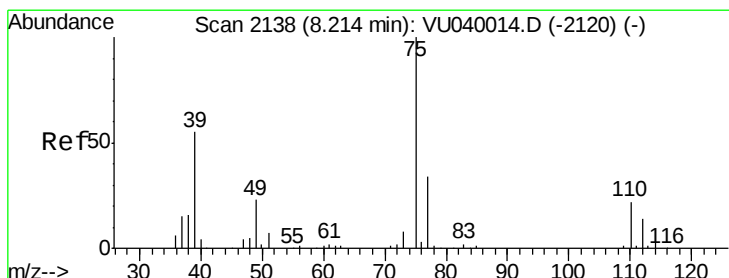
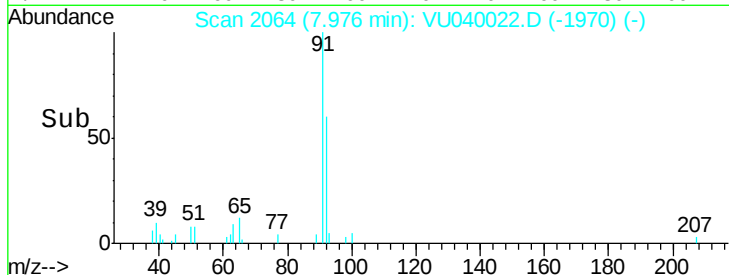
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.187 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040022.D

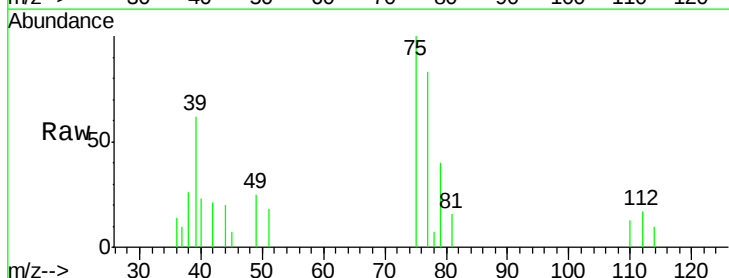
Acq: 02 Sep 2020 13:23

Tgt Ion: 75 Resp: 2843

Ion Ratio Lower Upper

75 100

77 83.3 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

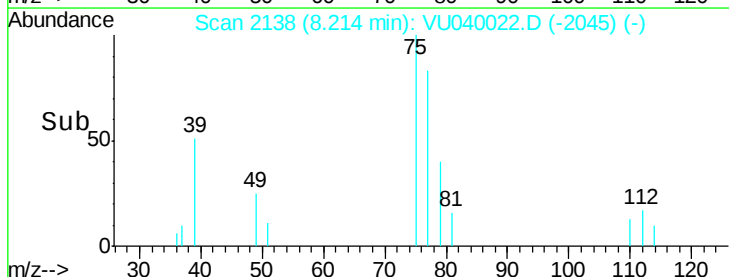
1500

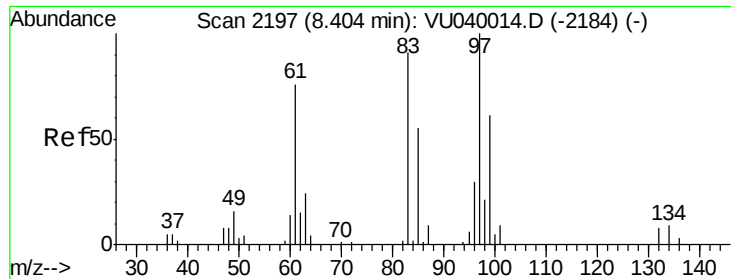
1000

500

0

Time-->





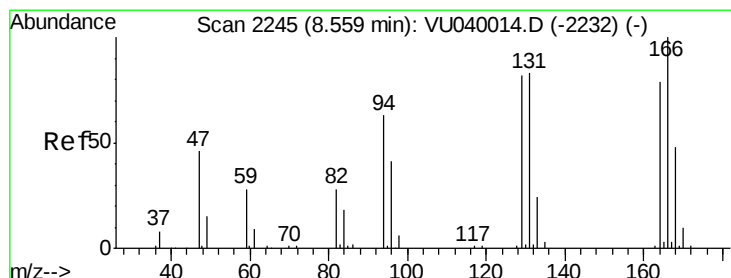
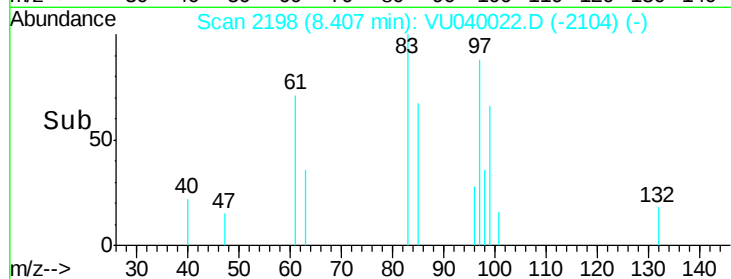
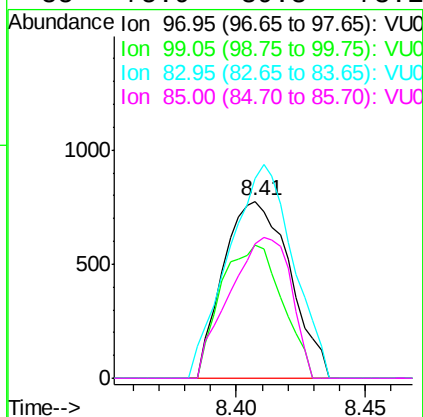
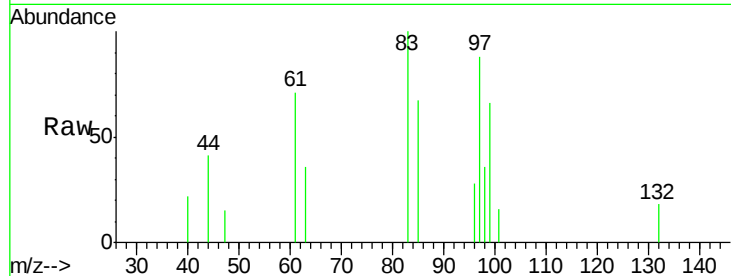
#45
 1,1,2-Trichloroethane
 Concen: 0.172 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	75.1	43.0	79.8
83	113.1	61.7	114.7
85	75.9	39.3	73.1

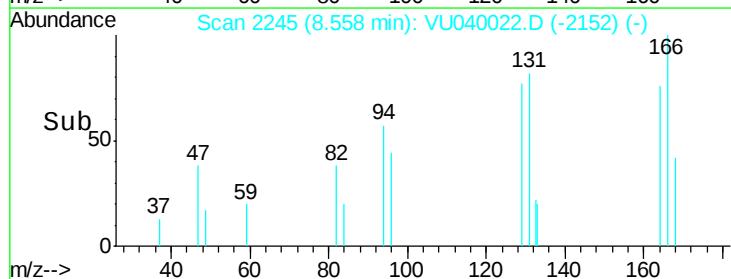
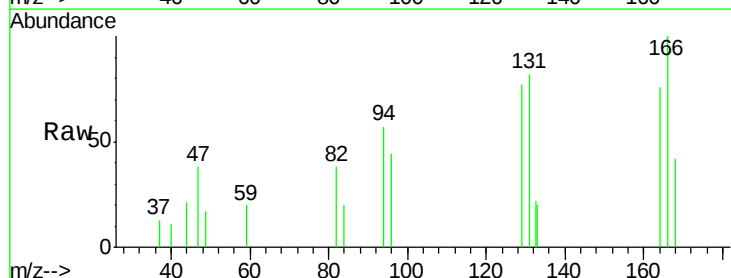
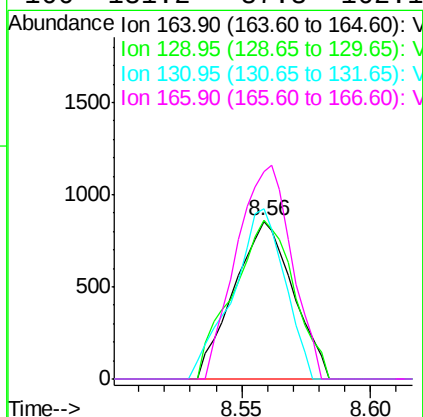
Manual Integrations
 APPROVED

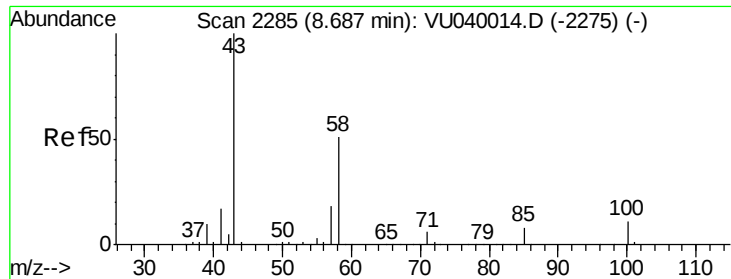
MMDadoda
 9/4/2020 2:20:50 PM



#47
 Tetrachloroethene
 Concen: 0.189 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
129	100.7	71.5	132.7
131	107.6	65.9	122.5
166	131.2	87.3	162.1





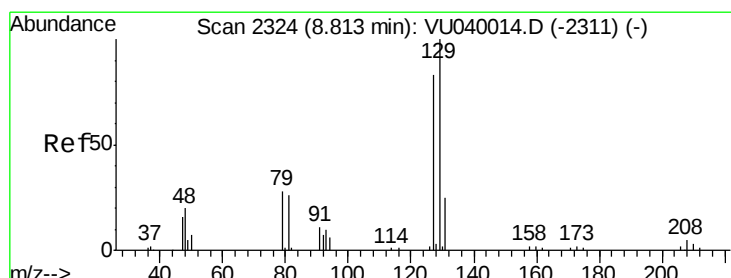
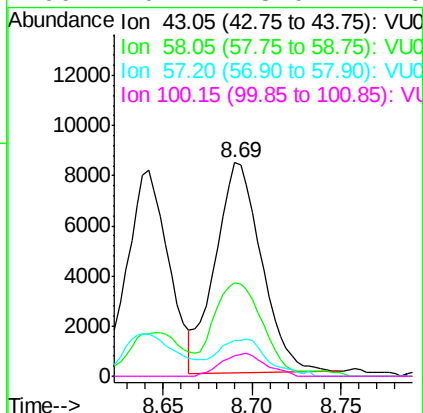
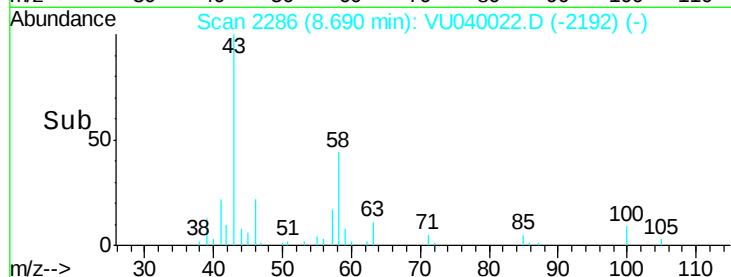
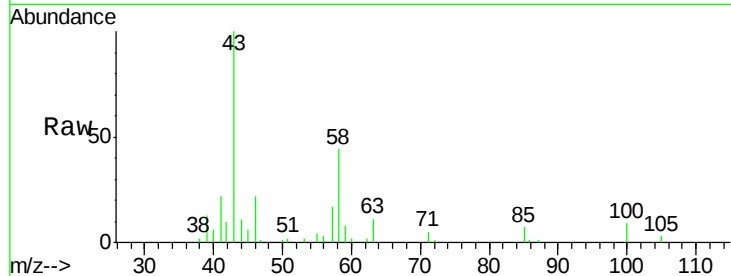
#48
2-Hexanone
Concen: 2.282 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion:	43	Resp:	15183
Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.6	59.4
57	18.4	14.3	21.5
100	10.4	8.0	12.0

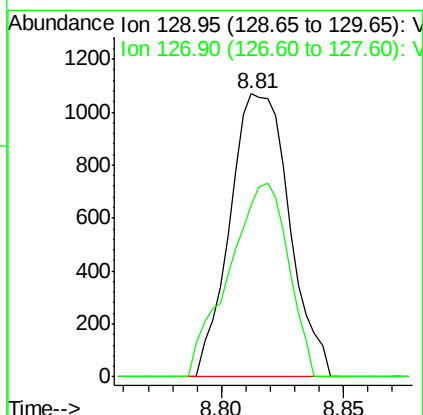
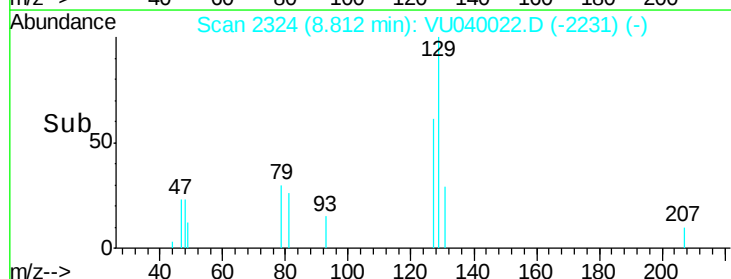
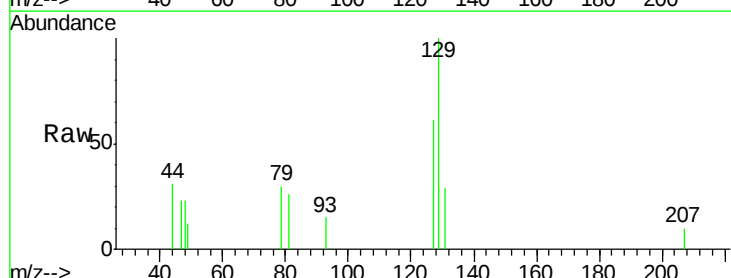
Manual Integrations
APPROVED

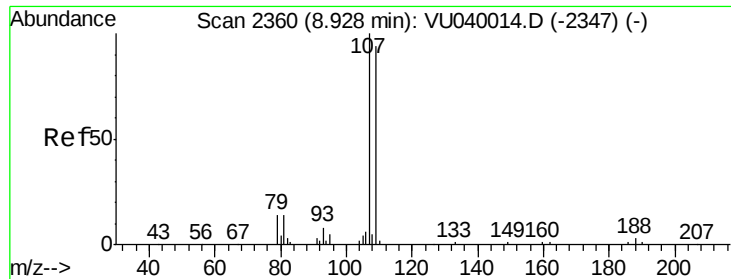
MMDadoda
9/4/2020 2:20:50 PM



#49
Dibromochloromethane
Concen: 0.186 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion:	129	Resp:	1808
Ion	Ratio	Lower	Upper
129	100		
127	61.0	53.7	99.7





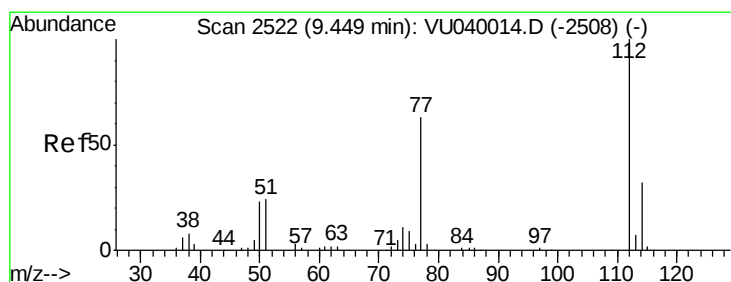
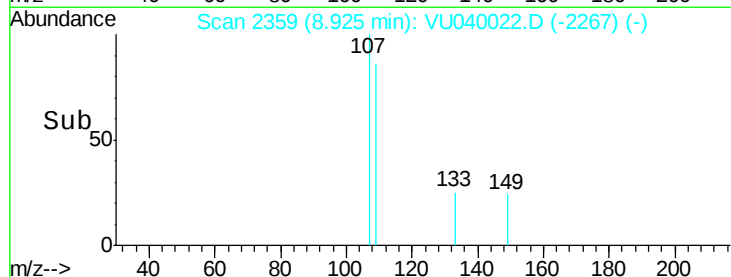
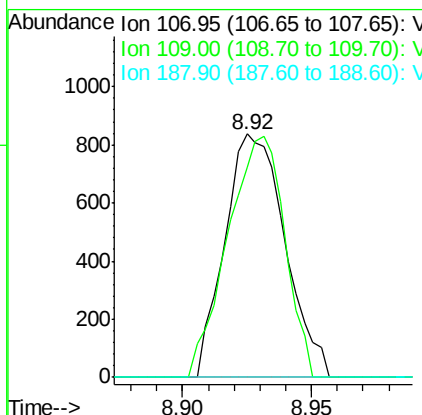
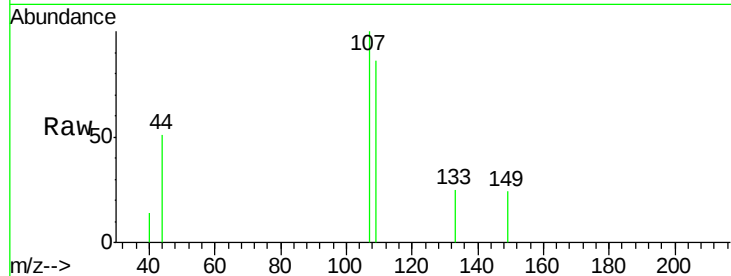
#50
1,2-Dibromoethane
Concen: 0.174 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.3	62.4	115.8
188	0.0	2.3	3.5#

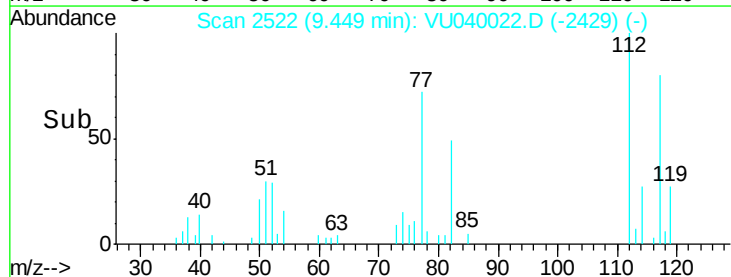
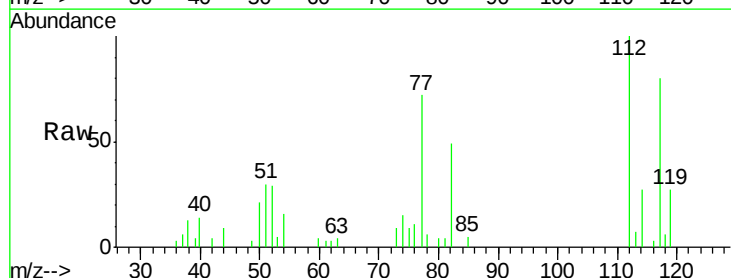
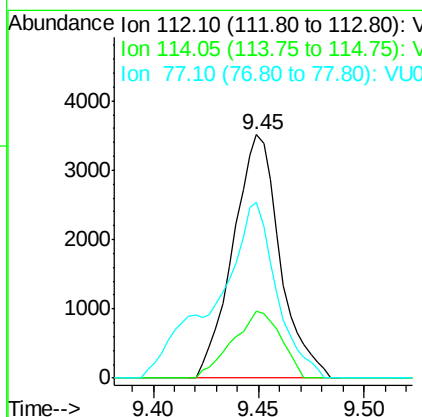
Manual Integrations
APPROVED

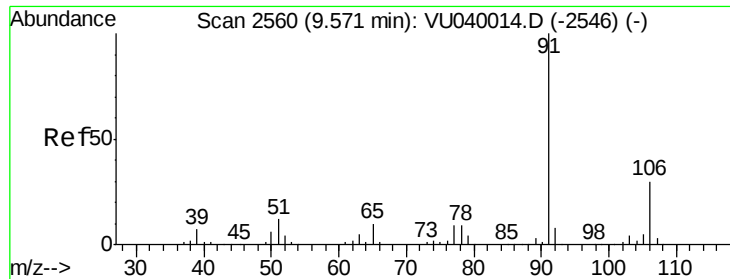
MMDadoda
9/4/2020 2:20:50 PM



#51
Chlorobenzene
Concen: 0.207 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.4	22.7	42.3
77	72.2	53.2	79.8





#52

Ethylbenzene

Concen: 0.183 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tot Ion: 91 Resp: 8795

Ion Ratio Lower Upper

91 100

106 24.6 21.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

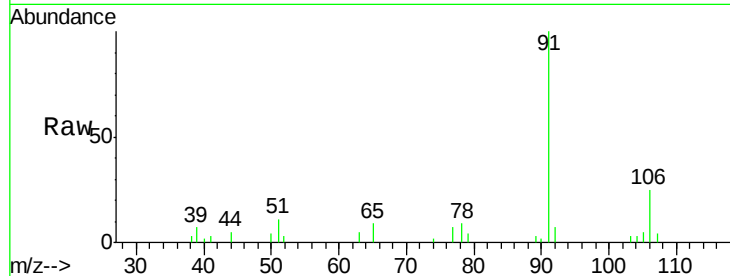
MDL07

Manual Integrations

APPROVED

MMDadoda

9/4/2020 2:20:50 PM



Abundance Ion 91.15 (90.85 to 91.85): VU040022.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040022.D (-2546) (-)

9.57

6000

5000

4000

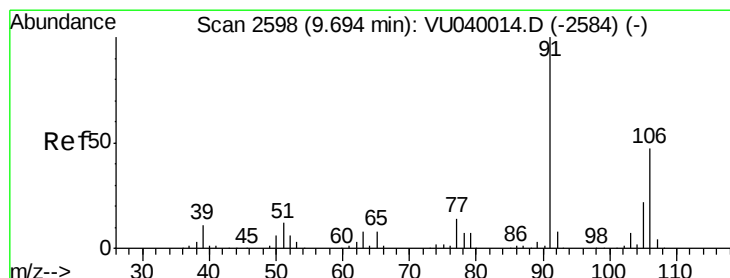
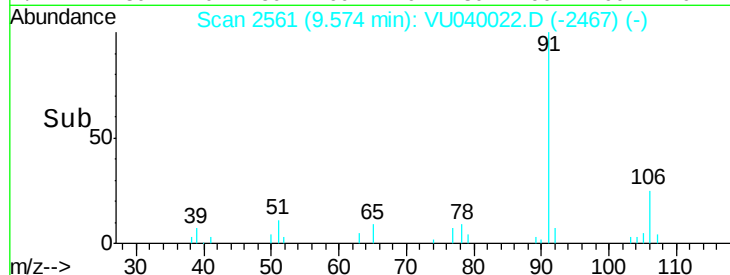
3000

2000

1000

0

Time-->



#53

m,p-Xylene

Concen: 0.178 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040022.D

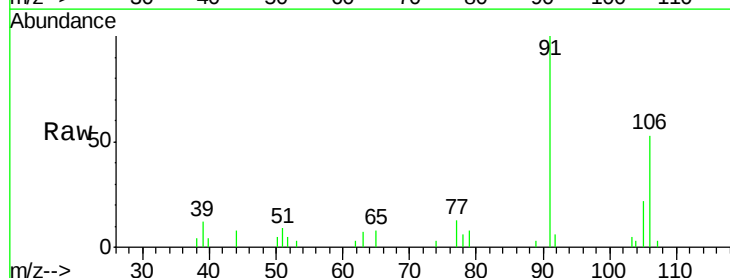
Acq: 02 Sep 2020 13:23

Tgt Ion: 106 Resp: 3038

Ion Ratio Lower Upper

106 100

91 189.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040022.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU040022.D (-2598) (-)

9.70

5000

4000

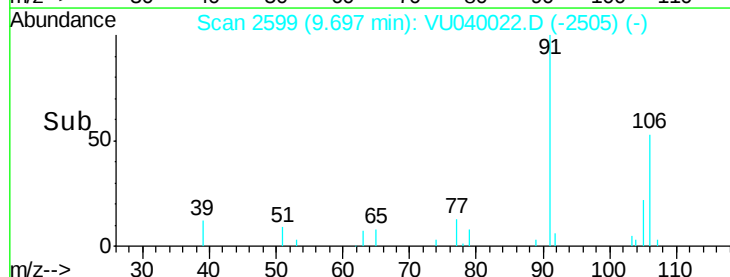
3000

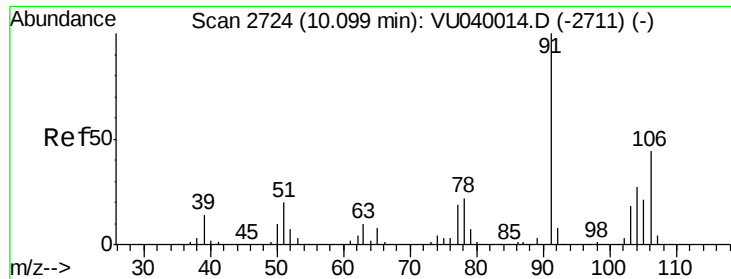
2000

1000

0

Time-->





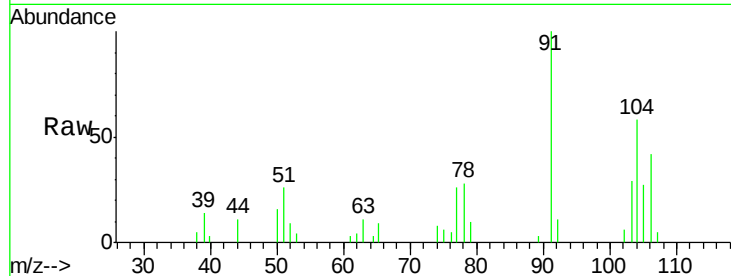
#54
o-Xylene
Concen: 0.165 ug/L
RT: 10.10 min Scan# 2726
Delta R.T. 0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampled :
MDL07

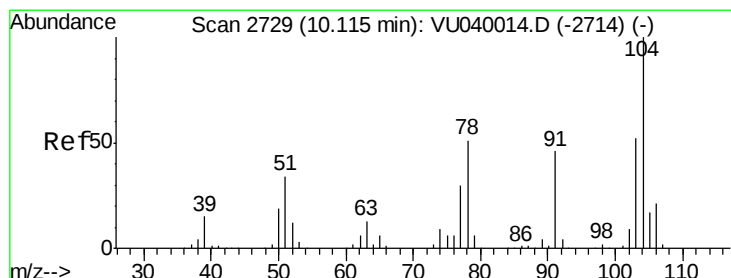
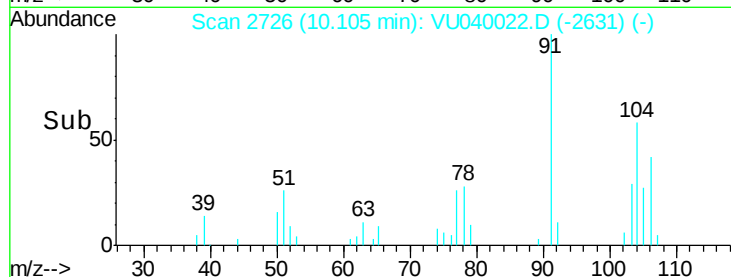
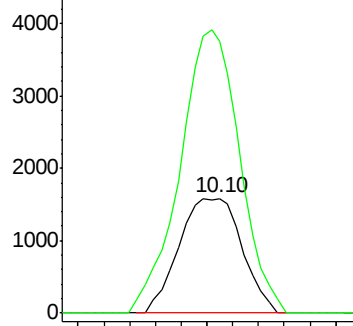
Tot Ion:106 Resp: 2688
Ion Ratio Lower Upper
106 100
91 236.8 160.8 298.6

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM

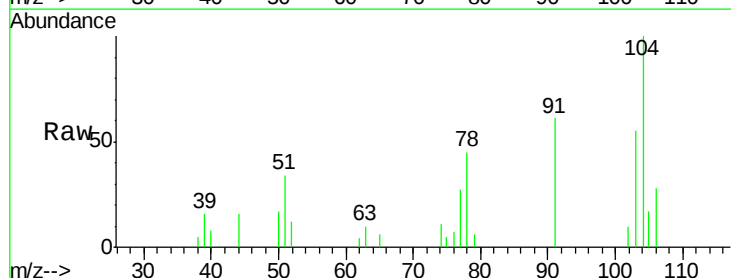


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

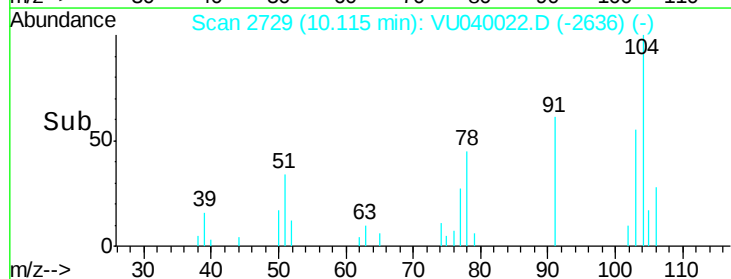
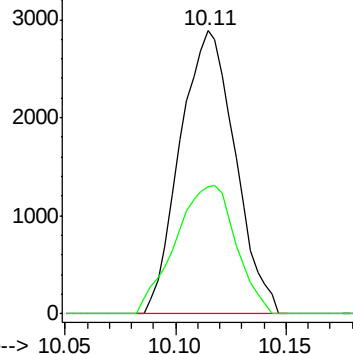


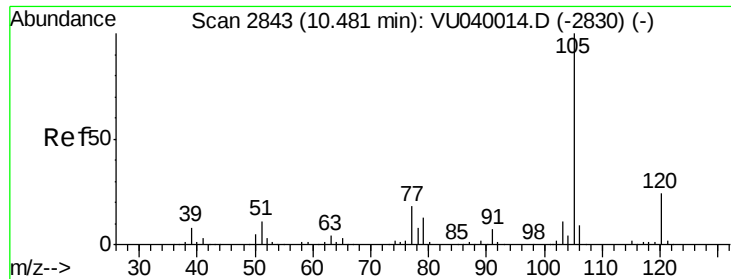
#55
Styrene
Concen: 0.176 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion:104 Resp: 4986
Ion Ratio Lower Upper
104 100
78 45.0 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





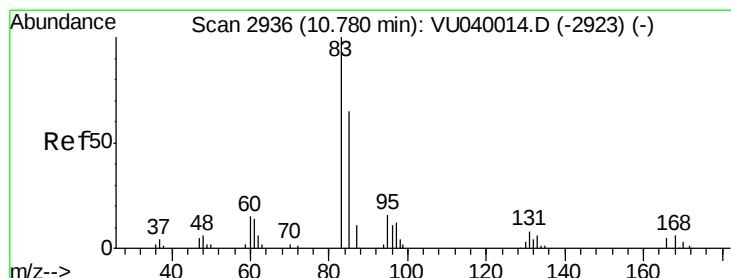
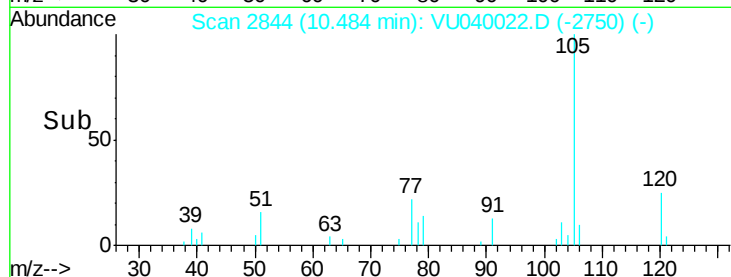
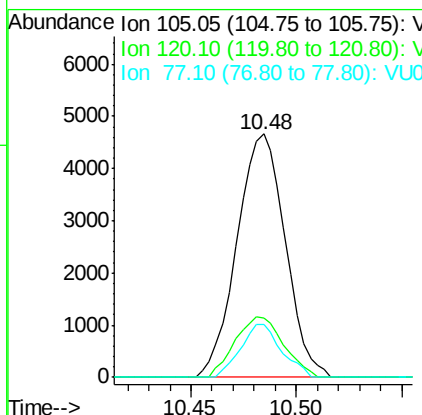
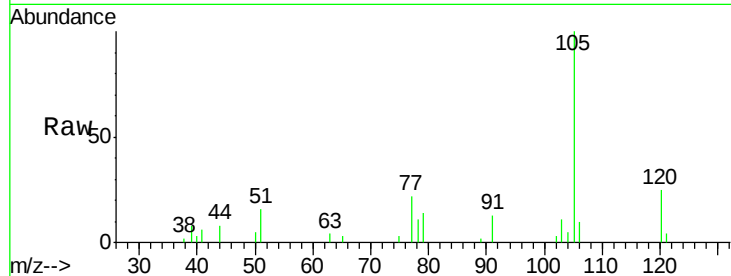
#56
Isopropylbenzene
Concen: 0.167 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.1	30.1
77	18.4	14.4	21.6

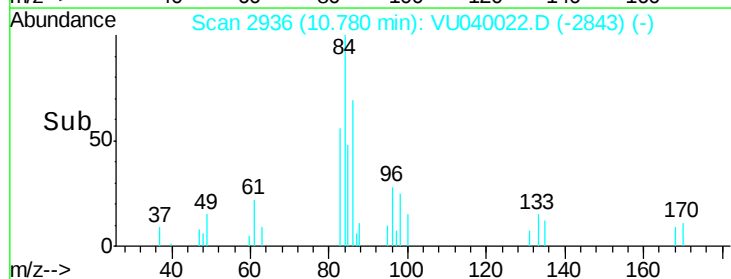
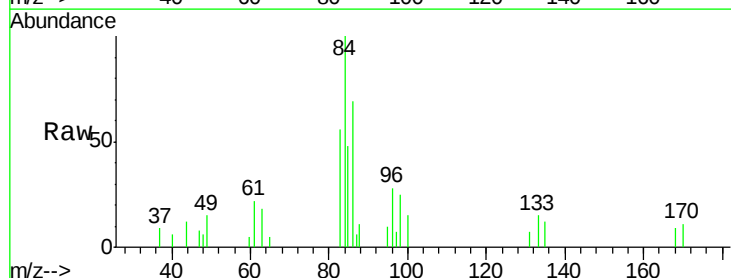
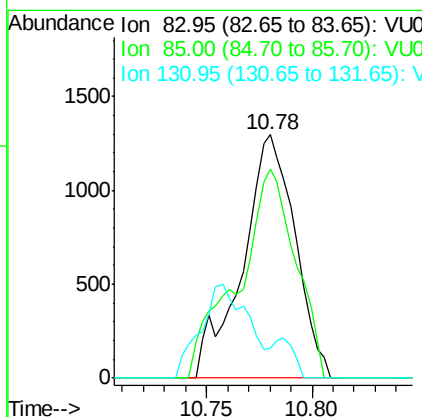
Manual Integrations
APPROVED

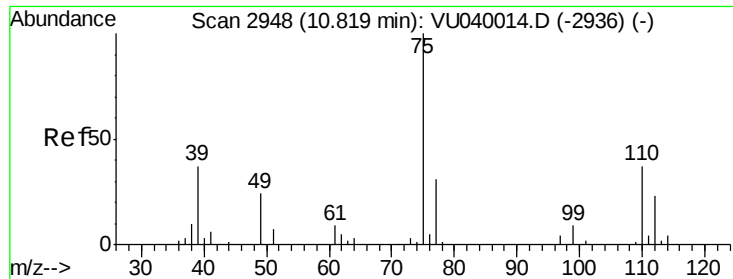
MMDadoda
9/4/2020 2:20:50 PM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.217 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	85.8	44.9	83.3#
131	12.1	7.4	11.0#





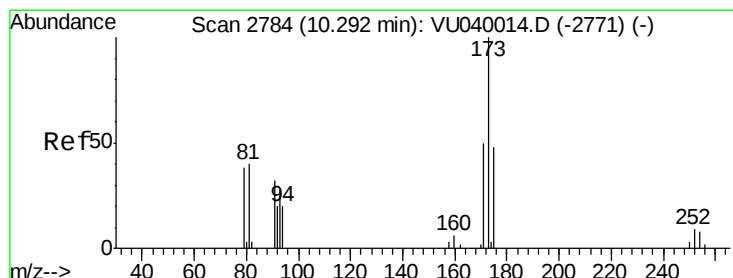
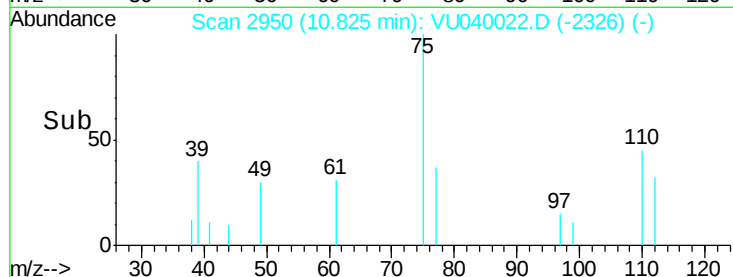
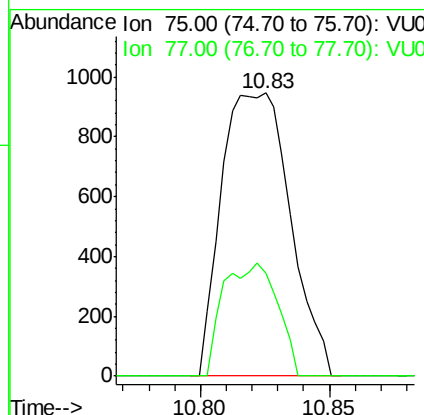
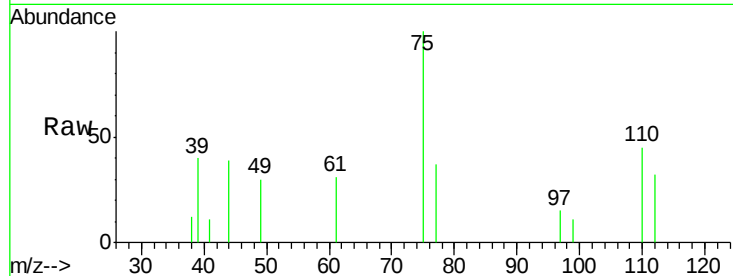
#59
 1,2,3-Trichloropropane
 Concen: 0.213 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.01 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 1758
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3

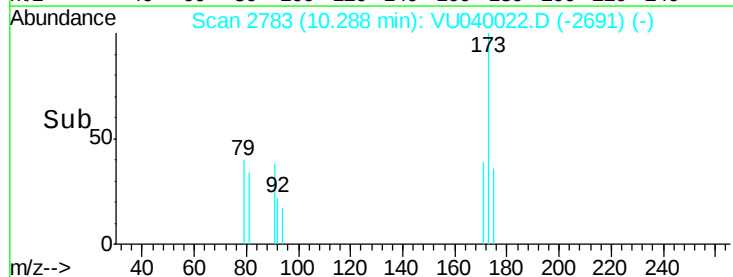
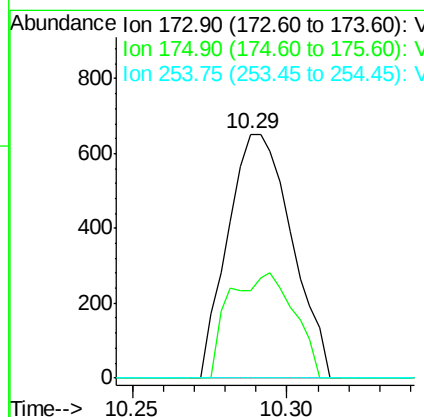
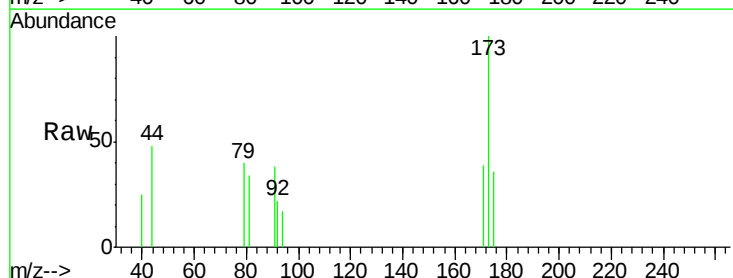
Manual Integrations
 APPROVED

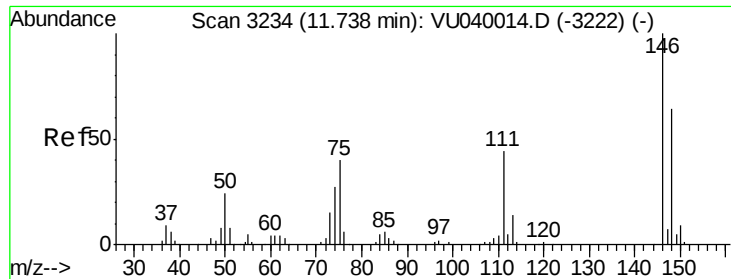
MMDadoda
 9/4/2020 2:20:50 PM



#61
 Bromoform
 Concen: 0.189 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion: 173 Resp: 936
 Ion Ratio Lower Upper
 173 100
 175 43.8 37.8 56.6
 254 0.0 6.8 10.2#





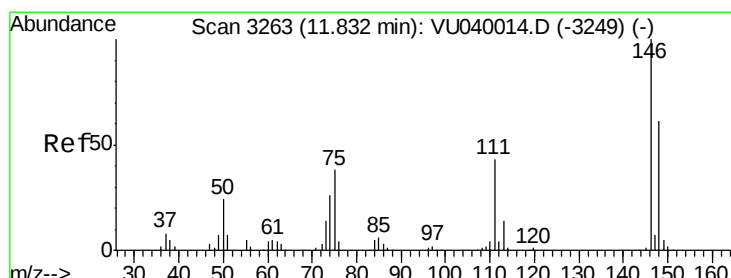
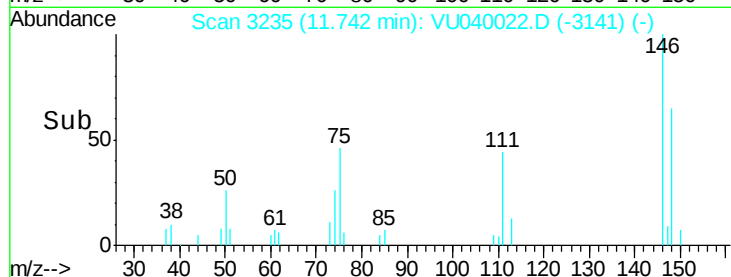
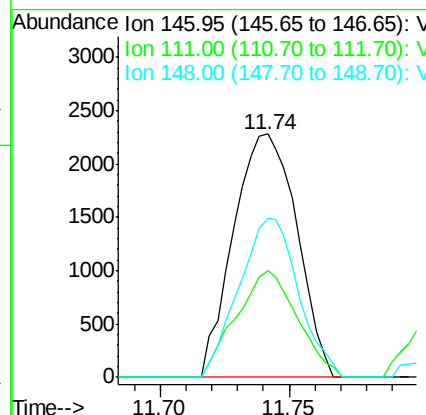
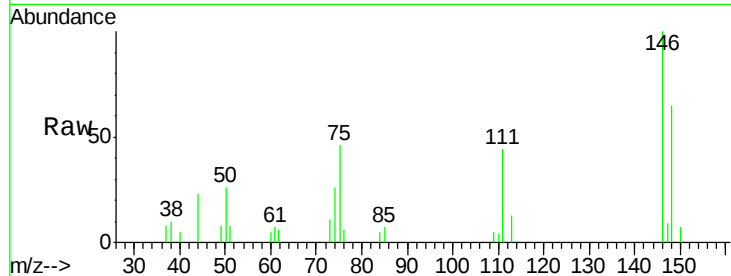
#62
 1,3-Dichlorobenzene
 Concen: 0.198 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	31.6	58.8
148	65.4	44.2	82.0

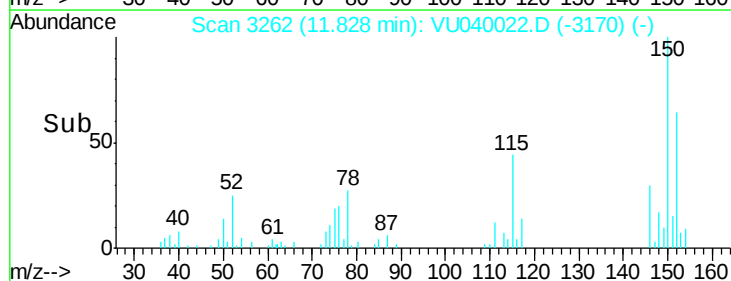
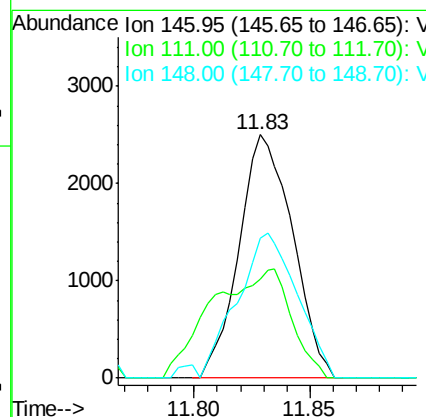
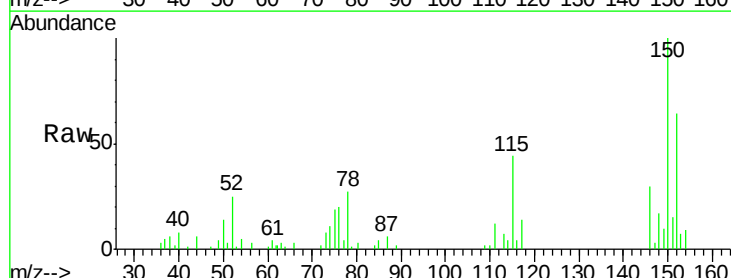
Manual Integrations
 APPROVED

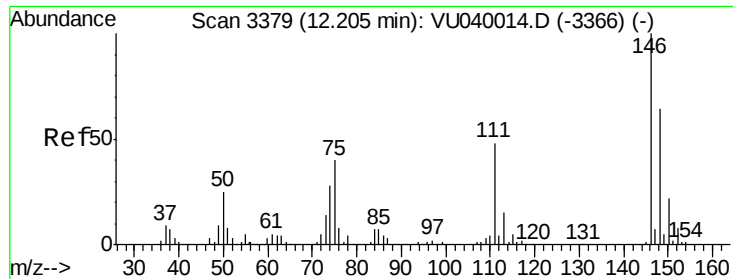
MMDadoda
 9/4/2020 2:20:50 PM



#63
 1,4-Dichlorobenzene
 Concen: 0.200 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	30.5	56.7
148	57.5	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 0.203 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Instrument :

MSVOA_U

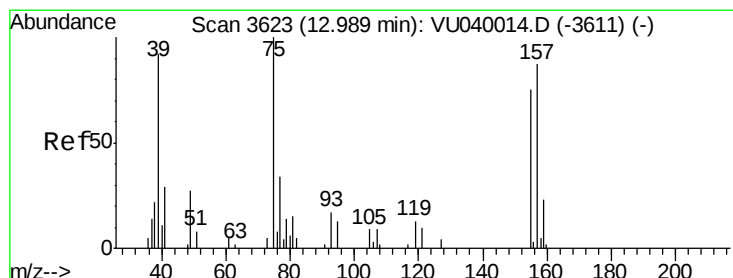
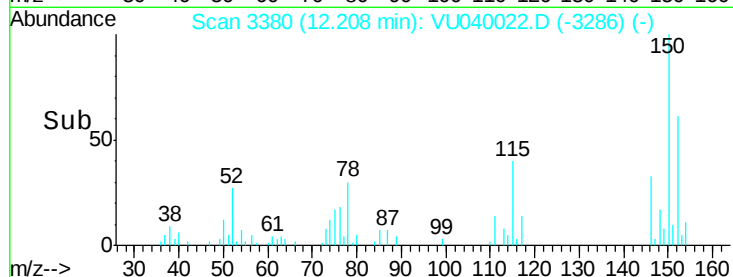
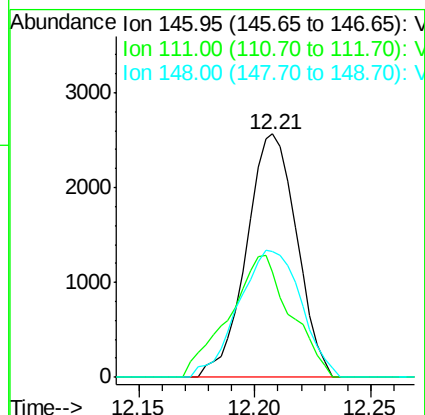
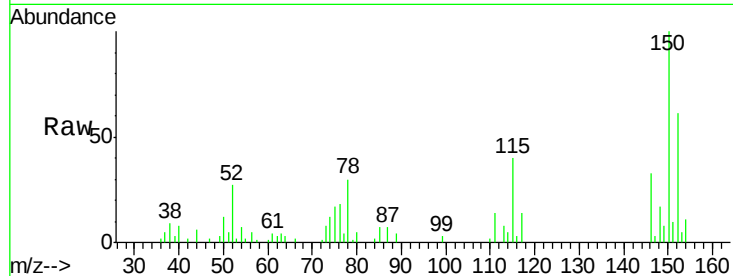
ClientSampleId :

MDL07

Tot Ion:	146	Resp:	3866
Ion Ratio	Lower	Upper	
146	100		
111	43.0	36.5	54.7
148	51.5	48.6	72.8

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM



#66

1,2-Dibromo-3-chloropropane

Concen: 0.193 ug/L m

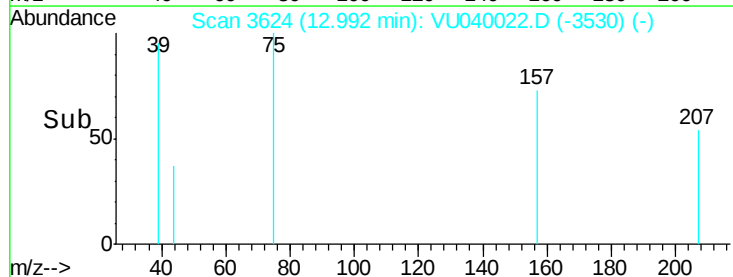
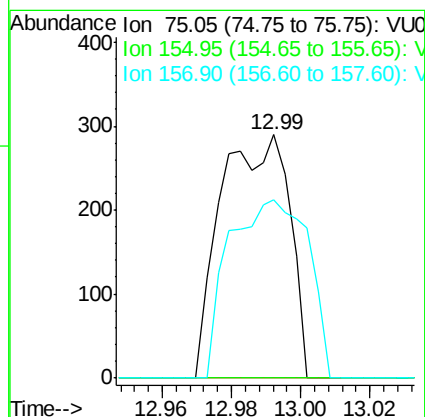
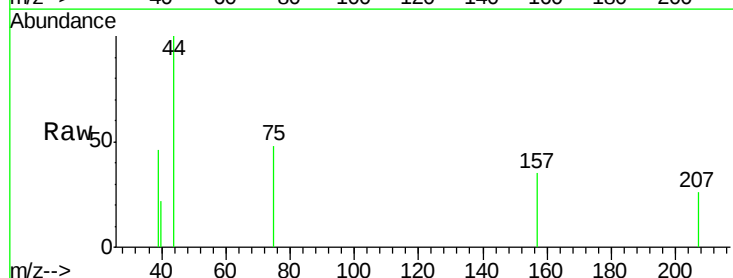
RT: 12.99 min Scan# 3624

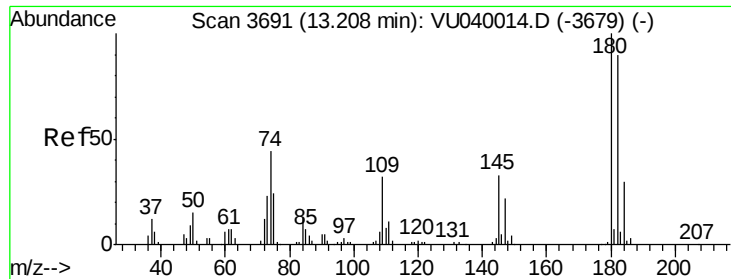
Delta R.T. 0.00 min

Lab File: VU040022.D

Acq: 02 Sep 2020 13:23

Tgt Ion:	75	Resp:	395
Ion Ratio	Lower	Upper	
75	100		
155	0.0	54.6	82.0#
157	73.4	75.6	113.4#





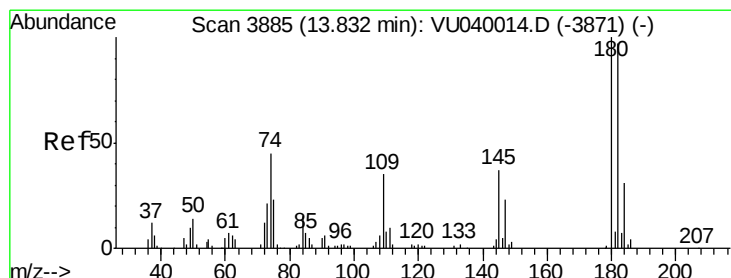
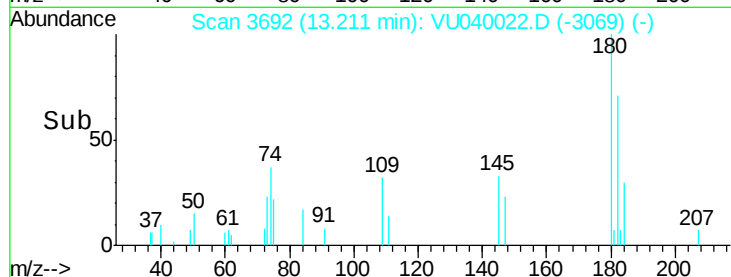
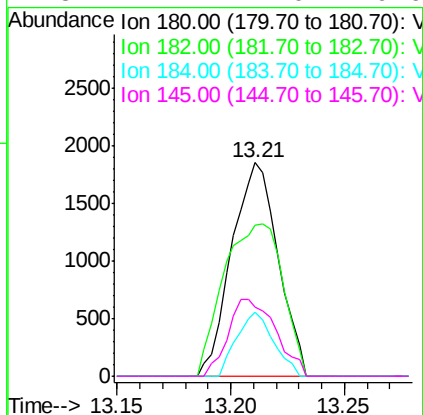
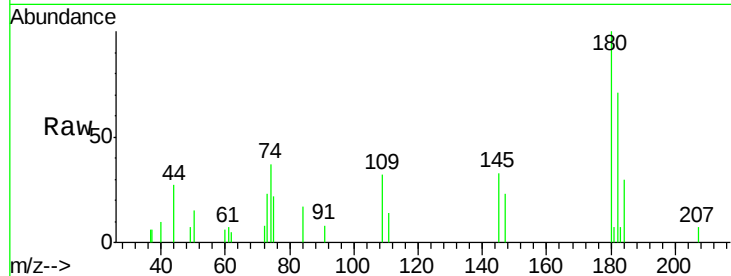
#67
 1,3,5-Trichlorobenzene
 Concen: 0.189 ug/L m
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.8	76.9	115.3#
184	22.9	24.6	36.8#
145	27.4	27.0	40.6

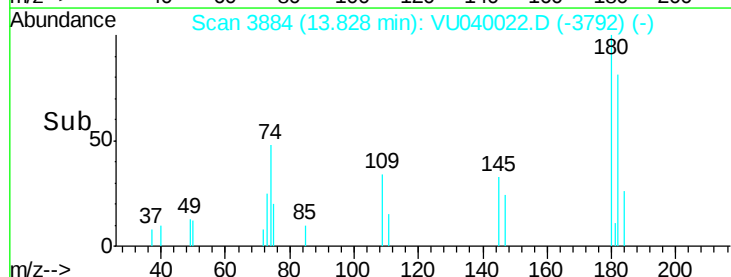
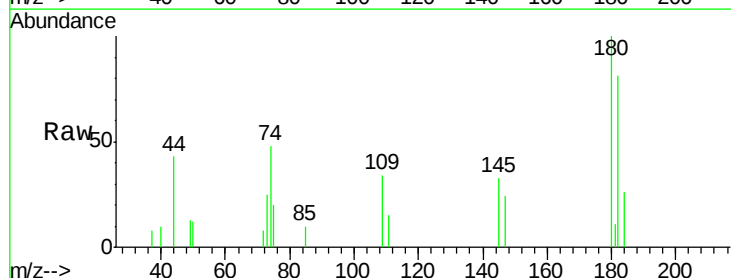
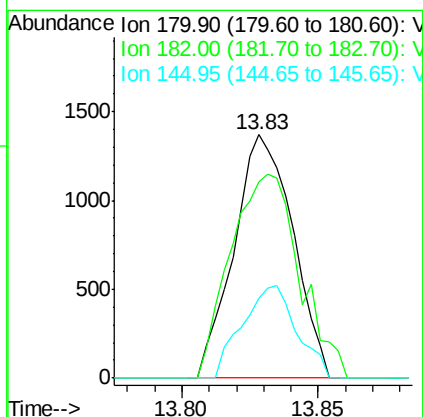
Manual Integrations
 APPROVED

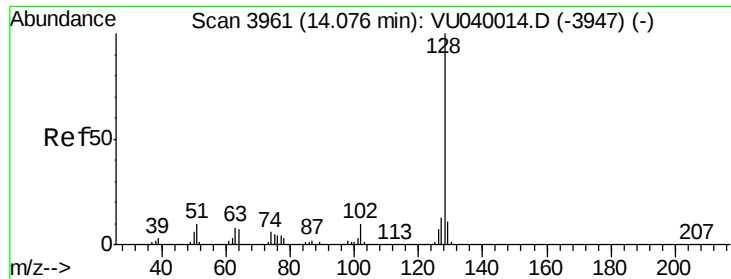
MMDadoda
 9/4/2020 2:20:50 PM



#68
 1,2,4-trichlorobenzene
 Concen: 0.171 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040022.D
 Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.0	114.0
145	35.1	28.4	42.6





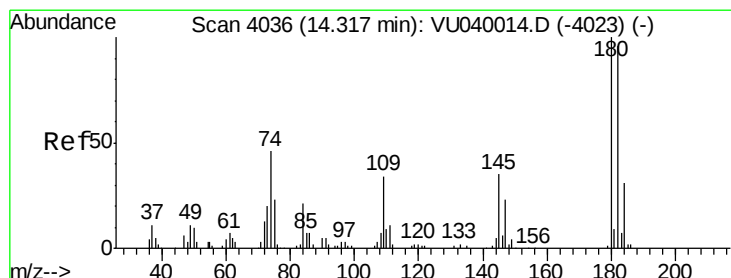
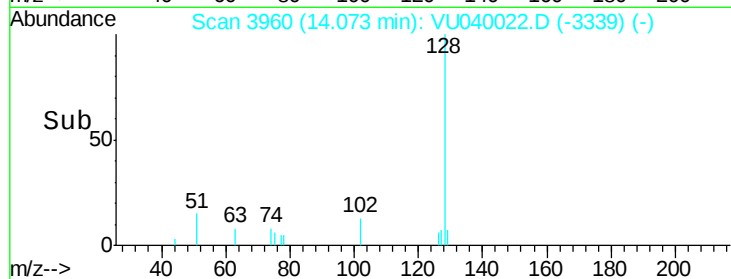
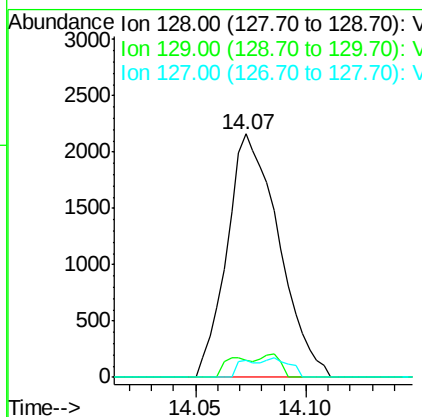
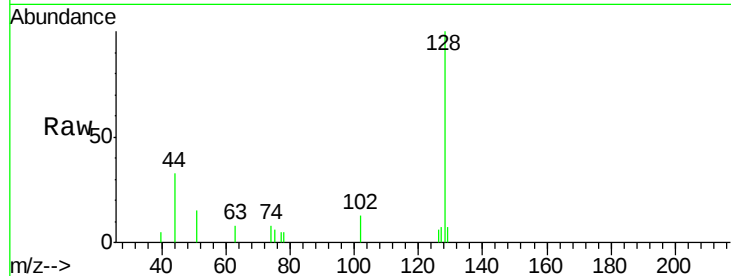
#69
Naphthalene
Concen: 0.141 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
129	4.3	8.7	13.1#
127	3.0	10.7	16.1#

Manual Integrations
APPROVED

MMDadoda
9/4/2020 2:20:50 PM



#70
1,2,3-Trichlorobenzene
Concen: 0.174 ug/L
RT: 14.32 min Scan# 4038
Delta R.T. 0.01 min
Lab File: VU040022.D
Acq: 02 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.8	116.6
145	35.2	28.7	43.1

